



THEOR 201.1 US (09907976)

CERTIFICATE OF MAIL: I hereby certify that this correspondence is being transmitted via FIRST CLASS MAIL to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Dated: 4/16/04

Signature: Fani Malikouzakis
(Fani Malikouzakis)

H7

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
William W. LEE et al.

Application No.: 09/689,429

Group Art Unit: 2143

Filed: October 12, 2000

Examiner: Mitra Kianersi

For: SMART HANDLE

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

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APR 21 2004

Technology Center 2100

DECLARATION UNDER 37 C.F.R. § 131

Dear Sir:

WE, WILLIAM W. LEE AND JULIAN PELENUR DECLARE AND STATE THAT:

1. We are the co-inventors of the "Smart Handle" described and claimed in the above-identified U.S. Patent Application ("the Present Application").
2. We were advised and therefore believe that the Present Application was filed as a continuation-in-part of U.S. Provisional Patent Application Serial No. 60/158,686 filed October 12, 1999 ("the Provisional Application").
3. The Present Application was assigned to BEA Systems, Inc. by all of the inventors on October 10, 2000 and October 16, 2000. Exhibit A is a copy of the Notice of Recordation of Assignment document evidencing the recordation of the assignment on December 18, 2000.

4. Well prior to February 26, 1999, the claimed invention shown and described in the provisional and present applications was conceived and reduced to practice.

5. Exhibit B is a document written well prior to February 26, 1999 and contains source code for SmartHandle.java.

6. Exhibit C is a document written well prior to February 26, 1999 and contains a UML diagram describing the Object involved in the Assignee's Business Object Model, including the Smart Handle. The document is a Rational Rose Model file.

7. We further declare that all statement made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and that these statements were made with the knowledge that willful, false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful, false statements may jeopardize the validity of the application or any patent issuing thereon.

Date: _____

Signed: _____
William W. LEE

Date: 3/29/2004

Signed: 
Julian PELENUR



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Date: 3/29/04

Signed:  Technology Center 2100
William W. LEE

Date: _____

Signed: _____
Julian PELENUR



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MARCH 05, 2001

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FULBRIGHT & JAWORSKI LLP
C. ANDREW IM
666 FIFTH AVENUE
NEW YORK, NY 10103



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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 12/18/2000

REEL/FRAME: 011360/0241

NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

LEE, WILLIAM W.

DOC DATE: 10/10/2000

ASSIGNOR:

PELENUR, JULIAN

DOC DATE: 10/16/2000

ASSIGNEE:

BEA SYSTEM, INC.
2315 NORTH FIRST STREET
SAN JOSE, CALIFORNIA 95134

SERIAL NUMBER: 09689429

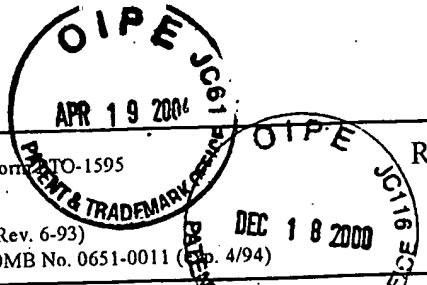
FILING DATE: 10/12/2000

PATENT NUMBER:

ISSUE DATE:

SAUNDRA BALLENGER, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

FULBRIGHT & JAWORSKI, LLP
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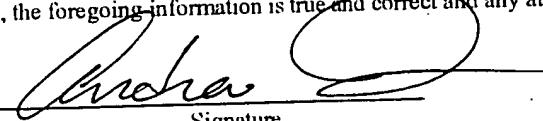
1. Name of conveying party(ies): William W. LEE Julian PELENUR 12-18-00	2. Name and address of receiving party(ies): Name: <u>BEA Systems, Inc.</u> RECEIVED Internal Address: <u>APR 21 2004</u> Street Address: <u>2315 North First Street</u> <u>San Jose, CA 95134</u>
Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____	Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Execution Date: <u>October 10, 2000 and October 16, 2000</u>	

4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: _____	A. Patent Application No.(s) <u>09/689,429</u>	B. Patent No.(s)
Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>C. Andrew Im</u> Internal Address: <u>FULBRIGHT & JAWORSKI L.L.P.</u> Street Address: <u>666 Fifth Avenue</u> City: <u>New York</u> State: <u>NY</u> Zip: <u>10103</u>	6. Total number of applications and patents involved: <input checked="" type="checkbox"/>	7. Total fee (37 C.F.R. § 3.41) <u>\$40.00</u> <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorization to be charged to deposit account
8. Deposit Account Number: <u>500624</u> (Attach duplicate of this page if paying by Deposit Account)		

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9. Statement and signature.
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

C. Andrew Im
Name of Person Signing


Signature

December 15, 2000
Date

Total number of pages including cover sheet, attachment, and document:

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Washington, D.C. 20231

12/20/2000 BHABTEW 00000053 09689429

02 FC:581

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ASSIGNMENT

WHEREAS, I, as a below named inventor, residing at the address stated next to my name, am a sole inventor (if only one name is listed below) or a joint inventor (if plural names are listed below) of certain new and useful improvements in SMART HANDLE for which an application for Letters Patent of the United States of America was executed by me on the date indicated next to my name and address;

AND WHEREAS, BEA Systems, Inc. with principal offices located 2315 North First Street, San Jose, CA 95134 (hereinafter referenced as ASSIGNEE) is desirous of acquiring all interest in, to and under said invention, said application disclosing the invention and in, to and under any Letters Patent or similar legal protection which may be granted therefor in the United States and in any and all foreign countries;

NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I, as a sole or joint inventor as indicated below, by these presents do hereby assign, sell and transfer unto the said ASSIGNEE, its successors, assigns, and legal representatives, the entire right, title and interest in the said invention, said application, including any divisions and continuations thereto, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said invention, and in and to any and all priority rights and/or convention rights under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and to any other benefits accruing or to accrue to me with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, and I hereby authorize and request the Commissioner of Patents to issue the said United States Letters Patent to said ASSIGNEE, as the assignee of the whole right, title and interest thereto;

And I further agree to execute all necessary or desirable and lawful future documents, including assignments in favor of ASSIGNEE or its designee, as ASSIGNEE or its successors, assigns and legal representatives may from time-to-time present to me and without further remuneration, in order to perfect title in said invention, modifications, and improvements in said invention, applications and Letters Patent of the United States and countries foreign thereto;

And I further agree to properly execute and deliver and without further remuneration, such necessary or desirable and lawful papers for application for foreign patents, for filing subdivisions of said application for patent, and or, for obtaining any reissue or reissues of any Letters patent which may be granted for my aforesaid invention, as the ASSIGNEE thereof shall hereafter require and prepare at its own expense;

And I further agree that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to me and will testify as to the same in any interference or litigation related thereto;

And I hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale.

This assignment executed on the dates indicated below.

William W. LEE

Name of first or sole inventor

221 Columbus Ave. #702
Boston, MA 02116

Residence of first or sole inventor



Signature of first or sole inventor

10/10/00

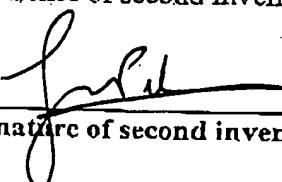
Date of this assignment

Julian PELENUR

Name of second inventor

1 Mooring Road
Marblehead, MA 01945

Residence of second inventor



Signature of second inventor

10/16/00

Date of this assignment

```
package com.theorycenter.smart.foundation;

import javax.ejb.*;



/***
 * This type was created in VisualAge.
 */
public class SmartHandle implements com.theorycenter.smart.util.Comparable,
java.io.Serializable
{
    protected Handle handle = null;
    protected SmartKey smartKey = null;

    /*
     * This is strictly used for serialization purpose
     */
    private int okayToSerializeData = 0;

    /*
     * This constructor is strictly used by the internals of Business Smart
     * Components.
     * Nobody else should use this.
     */

    public SmartHandle()
    {
        this.handle = null;
        this.smartKey = null;
        this.okayToSerializeData = 0;
    }

    public SmartHandle(Entity entity) throws java.rmi.RemoteException
    {
        this.handle = entity.getHandle();
        this.smartKey = (SmartKey) entity.getPrimaryKey();
        this.okayToSerializeData = 1;
    }

    public int compareTo(Object o)
    {
        return smartKey.compareTo(((SmartHandle) o).getSmartKey());
    }

    public boolean equals(Object o)
    {
        return (compareTo(o) == 0);
    }

    public Handle getHandle()
    {
        return handle;
    }

    public SmartKey getSmartKey()
    {
        return smartKey;
    }

    private synchronized void readObject(java.io.ObjectInputStream s) throws
java.io.IOException, ClassNotFoundException
    {
        // Read in any hidden serialization magic
    }
}
```

```
    s.defaultReadObject();

    // Read in flag
    okayToSerializeData = s.readInt();
    if (okayToSerializeData != 0)
    {
        handle = (Handle) s.readObject();
        smartKey = (SmartKey) s.readObject();
    }
}

private synchronized void writeObject(java.io.ObjectOutputStream s) throws
java.io.IOException
{
    // Write out any hidden serialization magic
    s.defaultWriteObject();

    // Write out flag
    s.writeInt(okayToSerializeData);
    if (okayToSerializeData != 0)
    {
        s.writeObject(handle);
        s.writeObject(smartKey);
    }
}
}
```



```
(object Petal
  version      42
  _written    "Rose 4.5.8054a"
  charSet     0)

(object Design "Logical View"
  is_unit      TRUE
  is_loaded    TRUE
  defaults    (object defaults
    rightMargin 0.250000
    leftMargin  0.250000
    topMargin   0.250000
    bottomMargin 0.500000
    pageOverlap 0.250000
    clipIconLabels TRUE
    autoResize   TRUE
    snapToGrid   TRUE
    gridX        16
    gridY        16
    defaultFont  (object Font
      size        10
      face        "Arial"
      bold        FALSE
      italics     FALSE
      underline   FALSE
      strike      FALSE
      color       0
      default_color TRUE)
    showMessageNum 1
    showClassOfObject TRUE
    notation      "Unified")
  root_usecase_package (object Class_Category "Use Case View"
    quid        "369CABC800A0"
    exportControl "Public"
    global      TRUE
    logical_models (list unit_reference_list)
    logical_presentations (list unit_reference_list
      (object UseCaseDiagram "Main"
        quid        "369CABCB00FD"
        title      "Main"
        zoom       100
        max_height 28350
        max_width  21600
        origin_x   0
        origin_y   0
        items      (list diagram_item_list))))
  root_category   (object Class_Category "Logical View"
    quid        "369CABC8009F"
    exportControl "Public"
    global      TRUE
    subsystem   "Component View"
    quidu      "369CABC800A8"
    logical_models (list unit_reference_list
      (object Class_Category "com"
        quid        "369CADA501D0"
        exportControl "Public"
```

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```

logical_models      (list unit_reference_list
  (object Class_Category "theorycenter"
    quid          "369CADAC039D"
    exportControl   "Public"
  logical_models      (list unit_reference_list
    (object Class_Category "smart"
      quid          "369CADC7028A"
      exportControl   "Public"
      logical_models      (list unit_reference_list
        (object Class_Category "foundation"
          quid          "369CADC800CC"
          documentation  "These are the base classes to
all objects in the Business Smart Component family"
          exportControl   "Public"
          logical_models      (list unit_reference_list
            (object Class "Entity"
              quid          "369CB19D0018"
              documentation  "Interface. Functionaly
equivalent to EJBEntity. Uses Theory Code Generator to implement itself. Note:
extending Entity does not make you an EntityBean! You can be a transient object
such as a SessionBean"
              stereotype  "interface"
              superclasses   (list
inheritance_relationship_list
              (object Inheritance_Relationship
                quid          "369CE3C20111"
                supplier      "Logical
View::com::theorycenter::smart::foundation::BusinessSmartComponent"
                quidu         "369CB5540387"))
              abstract      TRUE)
              (object Class "Belonging"
                quid          "369CB5490100"
                documentation  "Interface. Lightweight
object who has to be owned by someone. Its lifecycle depends on its owner
(persisted by owner). Uses Theory Code Generator to implement itself"
                stereotype  "interface"
                superclasses   (list
inheritance_relationship_list
              (object Inheritance_Relationship
                quid          "369CE3CA0131"
                supplier      "Logical
View::com::theorycenter::smart::foundation::BusinessSmartComponent"
                quidu         "369CB5540387")
              abstract      TRUE)
              (object Class "BusinessSmartComponent"
                quid          "369CB5540387"
                documentation  "Interface "
                stereotype  "interface"
                superclasses   (list
inheritance_relationship_list
              (object Inheritance_Relationship
                quid          "369CF5E40102"
                supplier      "Logical
View::javax::ejb::EJBObject"
                quidu         "369CF53B034E"))
              abstract      TRUE)
              (object Class "Task"

```

```

        quid      "369CE4660153"
        documentation
|Represents a business task or process. It is based on the Command design
pattern. This object is not persisted
|
|
        stereotype "interface"
        superclasses (list
inheritance_relationship_list
        (object Inheritance_Relationship
            quid      "369CF5240002"
            supplier  "Logical
View::com::theorycenter::smart::foundation::Belonging"
            quidu      "369CB5490100"))
            abstract  TRUE)
        (object Class "ConfigurableEntity"
            quid      "369CE510028E"
            documentation "An Entity with run-time
configurable attributes. Uses Theory Code Generator to implement itself."
            stereotype "interface"
            superclasses (list
inheritance_relationship_list
            (object Inheritance_Relationship
                quid      "369CE606010B"
                supplier  "Logical
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                quidu      "369CB19D0018")
                (object Inheritance_Relationship
                    quid      "369CF3E601C7"
                    supplier  "Logical
View::com::theorycenter::smart::foundation::Configurable"
                    quidu      "369CF3D90395"))
                    abstract  TRUE)
        (object Class "Configurable"
            quid      "369CF3D90395"
            stereotype "interface"
            abstract  TRUE)
        (object Class "SmartHome"
            quid      "369CF4D3018C"
            stereotype "interface"
            superclasses (list
inheritance_relationship_list
            (object Inheritance_Relationship
                quid      "369CF4E2036E"
                supplier  "Logical
View::javax::ejb::EJBHome"
                quidu      "369CF4B202BB"))
                abstract  TRUE))
        logical_presentations (list unit_reference_list
        (object ClassDiagram "Main"
            quid      "369CB06F0335"
            title     "Main"
            zoom      100
            max_height 28350
            max_width  21600
            origin_x  0

```

```

origin_y      0
items         (list diagram_item_list
               (object ClassView "Class" "Logical
View::com::theorycenter::smart::foundation::Entity" @1
               ShowCompartmentStereotypes      TRUE
               IncludeAttribute   TRUE
               IncludeOperation  TRUE
               location        (352, 928)
               font            (object Font
                                 italics      TRUE)
               label           (object ItemLabel
                                 Parent_View  @1
                                 location     (231, 900)
                                 fill_color   13434879
                                 nlines       1
                                 max_width    242
                                 justify      0
                                 label        "Entity")
               stereotype    (object ItemLabel
                                 Parent_View  @1
                                 location     (231, 855)
                                 fill_color   13434879
                                 anchor       10
                                 nlines       1
                                 max_width    242
                                 justify      0
                                 label        "<<interface>>")
               icon          "interface"
               icon_style    "Label"
               line_color    3342489
               fill_color    13434879
               quidu        "369CB19D0018"
               width         260
               height        170
               annotation    8
               autoResize    TRUE)
               (object ClassView "Class" "Logical
View::com::theorycenter::smart::foundation::Belonging" @2
               ShowCompartmentStereotypes      TRUE
               IncludeAttribute   TRUE
               IncludeOperation  TRUE
               location        (1232, 928)
               font            (object Font
                                 italics      TRUE)
               label           (object ItemLabel
                                 Parent_View  @2
                                 location     (1111, 900)
                                 fill_color   13434879
                                 nlines       1
                                 max_width    242
                                 justify      0
                                 label        "Belonging")
               stereotype    (object ItemLabel
                                 Parent_View  @2
                                 location     (1111, 855)
                                 fill_color   13434879
                                 anchor       10

```

```

nlines      1
max_width  242
justify     0
label       "<<interface>>")
icon        "interface"
icon_style  "Label"
line_color  3342489
fill_color  13434879
quidu      "369CB5490100"
width       260
height      170
annotation  8
autoResize  TRUE)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::foundation::BusinessSmartComponent" @3
ShowCompartmentStereotypes  TRUE
IncludeAttribute  TRUE
IncludeOperation  TRUE
location        (848, 480)
font            (object Font
    italics      TRUE)
label           (object ItemLabel
    Parent_View  @3
    location     (589, 452)
    fill_color   13434879
    nlines       1
    max_width   518
    justify      0
    label
"BusinessSmartComponent")
stereotype   (object ItemLabel
    Parent_View  @3
    location     (589, 407)
    fill_color   13434879
    anchor       10
    nlines       1
    max_width   518
    justify      0
    label       "<<interface>>")
icon        "interface"
icon_style  "Label"
line_color  3342489
fill_color  13434879
quidu      "369CB5540387"
width       536
height      170
annotation  8
autoResize  TRUE)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::foundation::Task" @4
ShowCompartmentStereotypes  TRUE
IncludeAttribute  TRUE
IncludeOperation  TRUE
location        (1232, 1408)
font            (object Font
    italics      TRUE)
label           (object ItemLabel

```

```

        Parent_View  @4
        location    (1111, 1380)
        fill_color  13434879
        nlines      1
        max_width   242
        justify     0
        label       "Task")
stereotype  (object ItemLabel
        Parent_View  @4
        location    (1111, 1335)
        fill_color  13434879
        anchor      10
        nlines      1
        max_width   242
        justify     0
        label       "<<interface>>")
        icon        "interface"
        icon_style  "Label"
        line_color  3342489
        fill_color  13434879
        quidu      "369CE4660153"
        width      260
        height     170
        annotation  8
        autoResize  TRUE)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::foundation::ConfigurableEntity" @5
        ShowCompartmentStereotypes  TRUE
        IncludeAttribute  TRUE
        IncludeOperation  TRUE
        location      (608, 1408)
        font          (object Font
            italics      TRUE)
        label         (object ItemLabel
            Parent_View  @5
            location    (429, 1380)
            fill_color  13434879
            nlines      1
            max_width   358
            justify     0
            label       )
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        Parent_View  @5
        location    (429, 1335)
        fill_color  13434879
        anchor      10
        nlines      1
        max_width   358
        justify     0
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        icon        "interface"
        icon_style  "Label"
        line_color  3342489
        fill_color  13434879
        quidu      "369CE510028E"
        width      376
"ConfigurableEntity")

```

```

        height      170
        annotation  8
        autoResize  TRUE)
        (object ClassView "Class" "Logical
View::com::theorycenter::smart::foundation::Configurable" @6
        ShowCompartmentStereotypes      TRUE
        IncludeAttribute   TRUE
        IncludeOperation   TRUE
        location        (816, 928)
        font            (object Font
                          italics      TRUE)
        label           (object ItemLabel
                          Parent_View  @6
                          location     (684, 900)
                          fill_color   13434879
                          nlines       1
                          max_width    264
                          justify      0
                          label        "Configurable")
        stereotype     (object ItemLabel
                          Parent_View  @6
                          location     (684, 855)
                          fill_color   13434879
                          anchor       10
                          nlines       1
                          max_width    264
                          justify      0
                          label        "<<interface>>")
        icon           "interface"
        icon_style    "Label"
        line_color    3342489
        fill_color    13434879
        quidu         "369CF3D90395"
        width          282
        height         170
        annotation    8
        autoResize    TRUE)
        (object ClassView "Class" "Logical
View::javax::ejb::EJBHome" @7
        ShowCompartmentStereotypes      TRUE
        IncludeAttribute   TRUE
        IncludeOperation   TRUE
        location        (1712, 224)
        font            (object Font
                          italics      TRUE)
        label           (object ItemLabel
                          Parent_View  @7
                          location     (1591, 173)
                          fill_color   13434879
                          nlines       1
                          max_width    242
                          justify      0
                          label        "EJBHome")
        stereotype     (object ItemLabel
                          Parent_View  @7
                          location     (1591, 128)
                          fill_color   13434879

```

```

        anchor      10
        nlines      1
        max_width   242
        justify     0
        label       "<<interface>>")
        icon        "interface"
        icon_style  "Label"
        line_color  3342489
        fill_color  13434879
        quidu       "369CF4B202BB"
        width       260
        height      216
        annotation  8
        autoResize  TRUE)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::foundation::SmartHome" @8
    ShowCompartmentStereotypes  TRUE
    IncludeAttribute  TRUE
    IncludeOperation  TRUE
    location        (1712, 592)
    font            (object Font
        italics        TRUE)
    label           (object ItemLabel
        Parent_View  @8
        location      (1584, 564)
        fill_color    13434879
        nlines        1
        max_width    256
        justify       0
        label         "SmartHome")
    stereotype     (object ItemLabel
        Parent_View  @8
        location      (1584, 519)
        fill_color    13434879
        anchor        10
        nlines        1
        max_width    256
        justify       0
        label         "<<interface>>")
        icon        "interface"
        icon_style  "Label"
        line_color  3342489
        fill_color  13434879
        quidu       "369CF4D3018C"
        width       274
        height      170
        annotation  8
        autoResize  TRUE)
(object InheritView "" @9
    stereotype  TRUE
    line_color  3342489
    quidu       "369CF4E2036E"
    client      @8
    supplier    @7
    line_style  0)
(object InheritView "" @10
    stereotype  TRUE

```

```

        line_color 3342489
        quidu      "369CE3C20111"
        client     @1
        supplier   @3
        line_style 0)
(object InheritView "" @11
        stereotype TRUE
        line_color 3342489
        quidu      "369CF5240002"
        client     @4
        supplier   @2
        line_style 0)
(object InheritView "" @12
        stereotype TRUE
        line_color 3342489
        quidu      "369CE3CA0131"
        client     @2
        supplier   @3
        line_style 0)
(object ClassView "Class" "Logical
View::javax::ejb::EJBObject" @13
        ShowCompartmentStereotypes      TRUE
        IncludeAttribute   TRUE
        IncludeOperation   TRUE
        location        (848, 160)
        font            (object Font
                            italics        TRUE)
        label           (object ItemLabel
                            Parent_View   @13
                            location     (727, 109)
                            fill_color   13434879
                            nlines       1
                            max_width    242
                            justify      0
                            label        "EJBObject")
        stereotype      (object ItemLabel
                            Parent_View   @13
                            location     (727, 64)
                            fill_color   13434879
                            anchor       10
                            nlines       1
                            max_width    242
                            justify      0
                            label        "<<interface>>")
        icon           "interface"
        icon_style    "Label"
        line_color    3342489
        fill_color    13434879
        quidu        "369CF53B034E"
        width         260
        height        216
        annotation    8
        autoResize    TRUE)
(object InheritView "" @14
        stereotype TRUE
        line_color 3342489
        quidu      "369CF5E40102"

```

```

        client      @3
        supplier   @13
        line_style  0)
(object InheritView "" @15
        stereotype  TRUE
        line_color  3342489
        quidu      "369CE606010B"
        client      @5
        supplier   @1
        vertices   (list Points
            (494, 1322)
            (350, 1215)
            (351, 1013))
        line_style  0)
(object InheritView "" @16
        stereotype  TRUE
        line_color  3342489
        quidu      "369CF3E601C7"
        client      @5
        supplier   @6
        vertices   (list Points
            (698, 1322)
            (815, 1215)
            (815, 1013))
        line_style  0))))
(object Class_Category "axiom"
    quid      "369CAE2E01A5"
    documentation      "These are the common business
objects used by Business Smart Components"
    visible_categories (list
visibility_relationship_list
    (object Visibility_Relationship
        quid      "369CB0E5030D"
        supplier  "Logical
View::com::theorycenter::smart::foundation"
        quidu      "369CADC800CC"))
        exportControl "Public"
        logical_models (list unit_reference_list
            (object Class "Address"
                quid      "369CD34A0083"
                stereotype "Interface")
            (object Class "Stakeholder"
                quid      "369CD35202A1"
                documentation      "Represents 8*-"
                stereotype  "interface"
                superclasses (list
inheritance_relationship_list
                (object Inheritance_Relationship
                    quid      "369D326502DB"
                    supplier  "Logical
View::com::theorycenter::smart::foundation::Entity"
                    quidu      "369CB19D0018")))
                (object Class "Enterprise"
                    quid      "369CD3A7009B"
                    documentation
|Represents an Enterprise, the root of an organizational structure.
|
```

```

Design Pattern for code generation:

Class EnterpriseImpl extends CompanyImpl implements EntityBean

Class CompanyImpl extends ConfigurableEntityImpl implements EntityBean

    stereotype "interface"
    superclasses (list
inheritance_relationship_list
    (object Inheritance_Relationship
        quid      "369D0688002B"
        supplier  "Logical
View::com::theorycenter::smart::axiom::Company"
        quid      "369CD3B8015D"))
    (object Class "Company"
        quid      "369CD3B8015D"
        documentation "Represents a company, or
divison in an Enterprise"
        stereotype "interface"
        superclasses (list
inheritance_relationship_list
    (object Inheritance_Relationship
        quid      "369D06400032"
        supplier  "Logical
View::com::theorycenter::smart::foundation::ConfigurableEntity"
        quid      "369CE510028E"))
    (object Class "Currency"
        quid      "369CD3CB0331"
        documentation
| Describes a particular monetary type
| 

        stereotype "interface")
    (object Class "Initials_B"
        quid      "369CD3D40262"
        documentation "Represents someone's
signature"
        stereotype "interface")
    (object Class "Authority"
        quid      "369CD3DD037D"
        stereotype "interface")
    (object Class "BusinessCalendar"
        quid      "369CD3F50133"
        stereotype "interface")
    (object Class "AlphaNumericSequencer"
        quid      "369CD44B00A0"
        stereotype "interface")
    (object Class "Payment_B"
        quid      "369CD454037E"
        documentation "An amount of money
charged or paid"
        stereotype "interface"
        superclasses (list
inheritance_relationship_list
    (object Inheritance_Relationship
        quid      "369DF8F603DA"

```

```

        supplier    "Logical
View::com::theorycenter::smart::foundation::Belonging"
        quidu      "369CB5490100"))
        (object Class "AdditionalFee"
        quid      "369CD45F00D1"
        documentation      "An amount of money
charged or paid aditionally"
        stereotype  "interface")
        (object Class "Message"
        quid      "369CD46B0101"
        documentation      "A text-based
communication between two business entities"
        stereotype  "interface"
        superclasses (list
inheritance_relationship_list
        (object Inheritance_Relationship
        quid      "369D350D00EE"
        supplier    "Logical
View::com::theorycenter::smart::foundation::ConfigurableEntity"
        quidu      "369CE510028E"))
        (object Class "Activity_B"
        quid      "369CD47C00FB"
        documentation      "An action that can be
recorded"
        stereotype  "interface"
        superclasses (list
inheritance_relationship_list
        (object Inheritance_Relationship
        quid      "369D16EA03D9"
        supplier    "Logical
View::com::theorycenter::smart::foundation::Belonging"
        quidu      "369CB5490100"))
        (object Class "History_B"
        quid      "369CD48A012D"
        documentation      "A collection of
Activities."
        stereotype  "interface"
        superclasses (list
inheritance_relationship_list
        (object Inheritance_Relationship
        quid      "369DF90701E9"
        supplier    "Logical
View::com::theorycenter::smart::foundation::Belonging"
        quidu      "369CB5490100"))
        (object Class "PaymentTerm"
        quid      "369CD6C8006A"
        documentation      "Calculates payment
amounts"
        stereotype  "interface")
        (object Class "NewClass"
        quid      "369CD70F027F"
        stereotype  "interface")
        (object Class "Account"
        quid      "369D013E0287"
        documentation      "An alpha-numeric account"
        stereotype  "interface")
        (object Class "InterestRate"

```

```

                quid      "369D0E9201B1"
                stereotype "interface")
                (object Class "Type_B"
                quid      "369D153D006B"
                stereotype "interface"
                superclasses (list
inheritance_relationship_list
                (object Inheritance_Relationship
                quid      "369DF8FB00D4"
                supplier "Logical
View::com::theorycenter::smart::foundation::Belonging"
                quidu     "369CB5490100"))
                (object Class "Workflow"
                quid      "369DF631002D"
                documentation "This object manages and
keeps track of a business process in a step-wise manner (process has well-
defined states and there are well-defined state transitions to navigate between
the states."
                stereotype "Interface"
                superclasses (list
inheritance_relationship_list
                (object Inheritance_Relationship
                quid      "369DF6F10318"
                supplier "Logical
View::com::theorycenter::smart::foundation::ConfigurableEntity"
                quidu     "369CE510028E")
                (object Inheritance_Relationship
                quid      "369E03F501E3"
                supplier "Logical
View::com::theorycenter::smart::axiom::StateMachine"
                quidu     "369DF7030133"))
                (object Class "StateMachine"
                quid      "369DF7030133"
                documentation "A State machine has
states and transitions, but on our first release, we may implement this a purely
custom code."
                stereotype "Interface"
                superclasses (list
inheritance_relationship_list
                (object Inheritance_Relationship
                quid      "369DF8FF0075"
                supplier "Logical
View::com::theorycenter::smart::foundation::Entity"
                quidu     "369CB19D0018"))
                operations (list Operations
                (object Operation "getState"
                quid      "369DFAD10025"
                documentation "Returns the current
state "
                result      "Type_B"
                concurrency "Sequential"
                opExportControl "Public"
                uid         0)
                (object Operation "setState"
                quid      "369DFB2B0314"
                documentation "Sets the current
State to newState. if newState is invalid, leaves current State unchanged and

```

Throws `InvalidStateException`. This is not a method that should be used normally since it bypasses the state machine transitions"

```
parameters (list Parameters
  (object Parameter "newState"))
result "void"
concurrency "Sequential"
opExportControl "Protected"
uid 0)
(object Operation "doTransition"
  quid "369DFB5903D8"
  documentation "Excecutes
```

transition, returning the new state. If transition is not valid, throws `TransitionInvalidException`"

```
parameters (list Parameters
  (object Parameter "transition"
    type "Type_B"))
result "Type_B"
concurrency "Sequential"
opExportControl "Public"
uid 0)
(object Operation "reInit"
  quid "369DFEAA03BB"
  documentation "This resets the
```

state machine back to its initial state."

```
parameters (list Parameters
  (object Parameter "States"
    type "Vector"))
result "void"
concurrency "Sequential"
opExportControl "Public"
uid 0)
(object Operation "defineInitialState"
  quid "369E03150245"
  documentation
```

|This function defines the initial state of the state machine. It must be called before you try to `doTransition()`.

|

|#throws `InvalidStateException`

```
parameters (list Parameters
  (object Parameter "state"
    type "Type_B"))
result "void"
concurrency "Sequential"
opExportControl "Public"
uid 0)))
(object Class "Transition_B"
  quid "369E0113000B"
  stereotype "interface"
  used_nodes (list uses_relationship_list
    (object Uses_Relationship
      quid "369E019C0379"
      supplier "Logical
View::com::theorycenter::smart::axiom::Type_B"
      quidu "369D153D006B"))
  class_attributes (list class_attribute_list
    (object ClassAttribute "startState"
```

```

                quid      "369E012D035B"
                type      "Type_B")
                (object ClassAttribute "endState"
                    quid      "369E015B039E"
                    type      "Type_B")
                (object ClassAttribute "name"
                    quid      "369E01790148"
                    type      "Type_B")))
                (object Association "accountGenerator"
                    quid      "369D04430076"
                    roles    (list role_list
                        (object Role "$UNNAMED$0"
                            quid      "369D044302E3"
                            supplier "Logical
View::com::theorycenter::smart::axiom::Company"
                            quidu     "369CD3B8015D"
                            is_navigable TRUE
                            is_aggregate TRUE)
                        (object Role "$UNNAMED$1"
                            quid      "369D044302E4"
                            supplier "Logical
View::com::theorycenter::smart::axiom::AlphaNumericSequencer"
                            quidu     "369CD44B00A0"
                            is_navigable TRUE)))
                (object Association "$UNNAMED$2"
                    quid      "369DF75501C7"
                    roles    (list role_list
                        (object Role "$UNNAMED$3"
                            quid      "369DF755034E"
                            supplier "Logical
View::com::theorycenter::smart::axiom::Workflow"
                            quidu     "369DF631002D"
                            is_aggregate TRUE)
                        (object Role "$UNNAMED$4"
                            quid      "369DF755034F"
                            supplier "Logical
View::com::theorycenter::smart::axiom::StateMachine"
                            quidu     "369DF7030133"
                            client_cardinality (value
cardinality "1")
                            Containment      "By Value"
                            is_navigable TRUE)))
                (object Association "States"
                    quid      "369E00FA013B"
                    roles    (list role_list
                        (object Role "$UNNAMED$5"
                            quid      "369E00FA02F4"
                            supplier "Logical
View::com::theorycenter::smart::axiom::StateMachine"
                            quidu     "369DF7030133"
                            is_aggregate TRUE)
                        (object Role "$UNNAMED$6"
                            quid      "369E00FA02F5"
                            supplier "Logical
View::com::theorycenter::smart::axiom::Type_B"
                            quidu     "369D153D006B"

```

```

        client_cardinality      (value
cardinality "n")
        Containment      "By Value"
        is_navigable    TRUE)))
(object Association "Transitions"
        quid      "369E01A100E1"
        roles      (list role_list
        (object Role "$UNNAMED$7"
            quid      "369E01A102C2"
            supplier  "Logical
View::com::theorycenter::smart::axiom::StateMachine"
            quidu     "369DF7030133"
            is_aggregate  TRUE)
        (object Role "$UNNAMED$8"
            quid      "369E01A102CC"
            supplier  "Logical
View::com::theorycenter::smart::axiom::Transition_B"
            quidu     "369E0113000B"
            client_cardinality      (value
cardinality "n")
            Containment      "By Value"
            is_navigable    TRUE)))
logical_presentations  (list unit_reference_list
        (object ClassDiagram "Main"
            quid      "369CB0EB0239"
            title     "Main"
            zoom      100
            max_height 28350
            max_width   21600
            origin_x    0
            origin_y    0
            items      (list diagram_item_list
            (object ClassView "Class" "Logical
View::com::theorycenter::smart::axiom::Address" @17
            ShowCompartmentStereotypes  TRUE
            IncludeAttribute  TRUE
            IncludeOperation  TRUE
            location      (176, 176)
            label        (object ItemLabel
                Parent_View  @17
                location    (46, 150)
                fill_color  13434879
                nlines      1
                max_width   260
                justify     0
                label       "Address")
            stereotype   (object ItemLabel
                Parent_View  @17
                location    (46, 105)
                fill_color  13434879
                anchor      10
                nlines      1
                max_width   260
                justify     0
                label       "<<Interface>>")
            icon        "Interface"
            icon_style   "Label"

```

```

        line_color 3342489
        fill_color 13434879
        quidu      "369CD34A0083"
        width      278
        height     164
        annotation 8
        autoResize TRUE)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::axiom::Currency" @18
    ShowCompartmentStereotypes TRUE
    IncludeAttribute TRUE
    IncludeOperation TRUE
    location    (288, 864)
    label       (object ItemLabel
        Parent_View @18
        location    (167, 838)
        fill_color  13434879
        nlines      1
        max_width   242
        justify     0
        label       "Currency")
    stereotype  (object ItemLabel
        Parent_View @18
        location    (167, 793)
        fill_color  13434879
        anchor      10
        nlines      1
        max_width   242
        justify     0
        label       "<<interface>>")
    icon        "interface"
    icon_style  "Label"
    line_color  3342489
    fill_color  13434879
    quidu      "369CD3CB0331"
    width      260
    height     164
    annotation 8
    autoResize TRUE)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::axiom::Initials_B" @19
    ShowCompartmentStereotypes TRUE
    IncludeAttribute TRUE
    IncludeOperation TRUE
    location    (1008, 1936)
    label       (object ItemLabel
        Parent_View @19
        location    (878, 1910)
        fill_color  13434879
        nlines      1
        max_width   260
        justify     0
        label       "Initials_B")
    stereotype  (object ItemLabel
        Parent_View @19
        location    (878, 1865)
        fill_color  13434879

```

```

        anchor      10
        nlines      1
        max_width   260
        justify     0
        label       "<<interface>>")
        icon        "interface"
        icon_style  "Label"
        line_color   3342489
        fill_color   13434879
        quidu       "369CD3D40262"
        width       278
        height      164
        annotation   8
        autoResize   TRUE)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::axiom::Authority" @20
    ShowCompartmentStereotypes   TRUE
    IncludeAttribute   TRUE
    IncludeOperation   TRUE
    location      (1568, 1936)
    label         (object ItemLabel
        Parent_View  @20
        location     (1447, 1910)
        fill_color   13434879
        nlines       1
        max_width    242
        justify      0
        label        "Authority")
    stereotype   (object ItemLabel
        Parent_View  @20
        location     (1447, 1865)
        fill_color   13434879
        anchor       10
        nlines       1
        max_width    242
        justify      0
        label        "<<interface>>")
        icon        "interface"
        icon_style  "Label"
        line_color   3342489
        fill_color   13434879
        quidu       "369CD3DD037D"
        width       260
        height      164
        annotation   8
        autoResize   TRUE)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::axiom::BusinessCalendar" @21
    ShowCompartmentStereotypes   TRUE
    IncludeAttribute   TRUE
    IncludeOperation   TRUE
    location      (272, 624)
    label         (object ItemLabel
        Parent_View  @21
        location     (94, 598)
        fill_color   13434879
        nlines       1

```

```

        max_width      356
        justify        0
        label          . "BusinessCalendar")
stereotype  (object ItemLabel
        Parent_View  @21
        location     (94, 553)
        fill_color   13434879
        anchor       10
        nlines       1
        max_width    356
        justify      0
        label        "<<interface>>")
        icon          "interface"
        icon_style   "Label"
        line_color   3342489
        fill_color   13434879
        quidu        "369CD3F50133"
        width        374
        height       164
        annotation   8
        autoResize   TRUE)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::axiom::AlphaNumericSequencer" @22
        ShowCompartmentStereotypes   TRUE
        IncludeAttribute  TRUE
        IncludeOperation  TRUE
        location        (640, 1456)
        label          (object ItemLabel
            Parent_View  @22
            location     (406, 1430)
            fill_color   13434879
            nlines       1
            max_width    468
            justify      0
            label
"AlphaNumericSequencer")
stereotype  (object ItemLabel
        Parent_View  @22
        location     (406, 1385)
        fill_color   13434879
        anchor       10
        nlines       1
        max_width    468
        justify      0
        label        "<<interface>>")
        icon          "interface"
        icon_style   "Label"
        line_color   3342489
        fill_color   13434879
        quidu        "369CD44B00A0"
        width        486
        height       164
        annotation   8
        autoResize   TRUE)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::axiom::Payment_B" @23
        ShowCompartmentStereotypes   TRUE

```

```

IncludeAttribute TRUE
IncludeOperation TRUE
location (1680, 656)
label (object ItemLabel
    Parent_View @23
    location (1550, 630)
    fill_color 13434879
    nlines 1
    max_width 260
    justify 0
    label "Payment_B")
stereotype (object ItemLabel
    Parent_View @23
    location (1550, 585)
    fill_color 13434879
    anchor 10
    nlines 1
    max_width 260
    justify 0
    label "<<interface>>")
icon "interface"
icon_style "Label"
line_color 3342489
fill_color 13434879
quidu "369CD454037E"
width 278
height 164
annotation 8
autoResize TRUE)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::axiom::AdditionalFee" @24
    ShowCompartmentStereotypes TRUE
    IncludeAttribute TRUE
    IncludeOperation TRUE
    location (256, 416)
    label (object ItemLabel
        Parent_View @24
        location (114, 390)
        fill_color 13434879
        nlines 1
        max_width 284
        justify 0
        label "AdditionalFee")
stereotype (object ItemLabel
    Parent_View @24
    location (114, 345)
    fill_color 13434879
    anchor 10
    nlines 1
    max_width 284
    justify 0
    label "<<interface>>")
icon "interface"
icon_style "Label"
line_color 3342489
fill_color 13434879
quidu "369CD45F00D1"

```

```

width      302
height     164
annotation 8
autoResize TRUE)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::axiom::PaymentTerm" @25
    ShowCompartmentStereotypes      TRUE
    IncludeAttribute   TRUE
    IncludeOperation   TRUE
    location        (192, 1168)
    label           (object ItemLabel
        Parent_View   @25
        location      (56, 1142)
        fill_color    13434879
        nlines        1
        max_width     272
        justify       0
        label          "PaymentTerm")
    stereotype   (object ItemLabel
        Parent_View   @25
        location      (56, 1097)
        fill_color    13434879
        anchor        10
        nlines        1
        max_width     272
        justify       0
        label          "<<interface>>")
        icon          "interface"
        icon_style    "Label"
        line_color    3342489
        fill_color    13434879
        quidu         "369CD6C8006A"
        width         290
        height        164
        annotation    8
        autoResize    TRUE)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::axiom::Account" @26
    ShowCompartmentStereotypes      TRUE
    IncludeAttribute   TRUE
    IncludeOperation   TRUE
    location        (176, 1424)
    label           (object ItemLabel
        Parent_View   @26
        location      (55, 1398)
        fill_color    13434879
        nlines        1
        max_width     242
        justify       0
        label          "Account")
    stereotype   (object ItemLabel
        Parent_View   @26
        location      (55, 1353)
        fill_color    13434879
        anchor        10
        nlines        1
        max_width     242

```

```

                justify      0
                label      "<<interface>>")
                icon      "interface"
                icon_style  "Label"
                line_color  3342489
                fill_color  13434879
                quidu      "369D013E0287"
                width      260
                height      164
                annotation  8
                autoResize  TRUE)
                (object ClassView "Class" "Logical
View::com::theorycenter::smart::axiom::Type_B" @27
                ShowCompartmentStereotypes  TRUE
                IncludeAttribute  TRUE
                IncludeOperation  TRUE
                location      (2016, 672)
                label      (object ItemLabel
                    Parent_View  @27
                    location      (1897, 671)
                    fill_color  13434879
                    nlines      1
                    max_width   238
                    justify      0
                    label      "Type_B")
                stereotype  (object ItemLabel
                    Parent_View  @27
                    location      (1897, 626)
                    fill_color  13434879
                    anchor      10
                    nlines      1
                    max_width   238
                    justify      0
                    label      "<<interface>>")
                icon      "interface"
                icon_style  "Label"
                line_color  3342489
                fill_color  13434879
                quidu      "369D153D006B"
                width      256
                height      114
                annotation  8
                autoResize  TRUE)
                (object ClassView "Class" "Logical
View::com::theorycenter::smart::axiom::Message" @28
                ShowCompartmentStereotypes  TRUE
                IncludeAttribute  TRUE
                IncludeOperation  TRUE
                location      (720, 640)
                label      (object ItemLabel
                    Parent_View  @28
                    location      (599, 614)
                    fill_color  13434879
                    nlines      1
                    max_width   242
                    justify      0
                    label      "Message")

```

```

        stereotype (object ItemLabel
            Parent_View @28
            location (599, 569)
            fill_color 13434879
            anchor 10
            nlines 1
            max_width 242
            justify 0
            label "<<interface>>")
            icon "interface"
            icon_style "Label"
            line_color 3342489
            fill_color 13434879
            quidu "369CD46B0101"
            width 260
            height 164
            annotation 8
            autoResize TRUE)
        (object ClassView "Class" "Logical
View::com::theorycenter::smart::foundation::ConfigurableEntity" @29
            ShowCompartmentStereotypes TRUE
            IncludeAttribute TRUE
            IncludeOperation TRUE
            location (752, 224)
            font (object Font
                italics TRUE)
            label (object ItemLabel
                Parent_View @29
                location (573, 173)
                fill_color 13434879
                nlines 1
                max_width 358
                justify 0
                label
                "ConfigurableEntity")
            stereotype (object ItemLabel
                Parent_View @29
                location (573, 128)
                fill_color 13434879
                anchor 10
                nlines 1
                max_width 358
                justify 0
                label "<<interface>>")
                icon "interface"
                icon_style "Label"
                line_color 3342489
                fill_color 13434879
                quidu "369CE510028E"
                width 376
                height 216
                annotation 8
                autoResize TRUE)
        (object InheritView "" @30
            stereotype TRUE
            line_color 3342489
            quidu "369D350D00EE"

```

```

        client      @28
        supplier   @29
        line_style  0)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::foundation::Belonging" @31
    ShowCompartmentStereotypes    TRUE
    IncludeAttribute   TRUE
    IncludeOperation   TRUE
    location        (1984, 192)
    font            (object Font
                      italics      TRUE)
    label           (object ItemLabel
                      Parent_View  @31
                      location     (1863, 141)
                      fill_color   13434879
                      nlines       1
                      max_width    242
                      justify      0
                      label        "Belonging")
    stereotype     (object ItemLabel
                      Parent_View  @31
                      location     (1863, 96)
                      fill_color   13434879
                      anchor       10
                      nlines       1
                      max_width    240
                      justify      0
                      label        "<<interface>>")
    icon           "interface"
    icon_style    "Label"
    line_color    3342489
    fill_color    13434879
    quidu         "369CB5490100"
    width          260
    height         216
    annotation    8
    autoResize    TRUE)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::axiom::StateMachine" @32
    ShowCompartmentStereotypes    TRUE
    IncludeAttribute   TRUE
    IncludeOperation   TRUE
    location        (1280, 656)
    label           (object ItemLabel
                      Parent_View  @32
                      location     (1103, 513)
                      fill_color   13434879
                      nlines       1
                      max_width    354
                      justify      0
                      label        "StateMachine")
    stereotype     (object ItemLabel
                      Parent_View  @32
                      location     (1103, 468)
                      fill_color   13434879
                      anchor       10
                      nlines       1

```

```

        max_width      354
        justify        0
        label          "<<Interface>>")
        icon           "Interface"
        icon_style    "Label"
        line_color    3342489
        fill_color    13434879
        quidu         "369DF7030133"
        compartment   (object Compartment
                        Parent_View  @32
                        location    (1103, 568)
                        icon_style   "Icon"
                        fill_color   13434879
                        anchor       2
                        nlines       6
                        max_width   352)
        width         372
        height        398
        annotation    8
        autoResize    TRUE)
        (object InheritView "" @33
            stereotype  TRUE
            line_color  3342489
            quidu       "369DF8F603DA"
            client      @23
            supplier    @31
            line_style   0)
        (object InheritView "" @34
            stereotype  TRUE
            line_color  3342489
            quidu       "369DF8FB00D4"
            client      @27
            supplier    @31
            line_style   0)
        (object ClassView "Class" "Logical
View::com::theorycenter::smart::foundation::Entity" @35
            ShowCompartmentStereotypes  TRUE
            IncludeAttribute  TRUE
            IncludeOperation  TRUE
            location        (1184, 112)
            font            (object Font
                            italics      TRUE)
            label           (object ItemLabel
                            Parent_View  @35
                            location    (1063, 61)
                            fill_color   13434879
                            nlines       1
                            max_width   242
                            justify      0
                            label        "Entity")
            stereotype     (object ItemLabel
                            Parent_View  @35
                            location    (1063, 16)
                            fill_color   13434879
                            anchor       10
                            nlines       1
                            max_width   240

```

```

                justify      0
                label      "<<interface>>")
                icon      "interface"
                icon_style  "Label"
                line_color  3342489
                fill_color  13434879
                quidu      "369CB19D0018"
                width      260
                height      216
                annotation  8
                autoResize  TRUE)
(object InheritView "" @36
    stereotype  TRUE
    line_color  3342489
    quidu      "369CE606010B"
    client      @29
    supplier    @35
    line_style  0)
(object InheritView "" @37
    stereotype  TRUE
    line_color  3342489
    quidu      "369DF8FF0075"
    client      @32
    supplier    @35
    line_style  0)))
(object ClassDiagram "AccountMain"
    quid      "369D03AE0162"
    title      "AccountMain"
    zoom      100
    max_height 28350
    max_width  21600
    origin_x   0
    origin_y   0
    items      (list diagram_item_list
        (object ClassView "Class" "Logical
View::com::theorycenter::smart::axiom::Account" @38
            ShowCompartmentStereotypes  TRUE
            IncludeAttribute  TRUE
            IncludeOperation  TRUE
            location      (416, 560)
            label        (object ItemLabel
                Parent_View  @38
                location      (295, 534)
                fill_color    13434879
                nlines       1
                max_width    242
                justify      0
                label        "Account")
            stereotype  (object ItemLabel
                Parent_View  @38
                location      (295, 489)
                fill_color    13434879
                anchor       10
                nlines       1
                max_width    242
                justify      0
                label        "<<interface>>"))

```

```

        icon      "interface"
        icon_style "Label"
        line_color 3342489
        fill_color 13434879
        quidu      "369D013E0287"
        width      260
        height     164
        annotation 8
        autoResize TRUE)
    (object ClassView "Class" "Logical
View::com::theorycenter::smart::axiom::Company" @39
    ShowCompartmentStereotypes TRUE
    IncludeAttribute TRUE
    IncludeOperation TRUE
    location      (896, 208)
    label         (object ItemLabel
        Parent_View @39
        location      (775, 182)
        fill_color    13434879
        nlines        1
        max_width    242
        justify       0
        label         "Company")
    stereotype   (object ItemLabel
        Parent_View @39
        location      (775, 137)
        fill_color    13434879
        anchor        10
        nlines        1
        max_width    242
        justify       0
        label         "<<interface>>")
    icon      "interface"
    icon_style "Label"
    line_color 3342489
    fill_color 13434879
    quidu      "369CD3B8015D"
    width      260
    height     164
    annotation 8
    autoResize TRUE)
    (object ClassView "Class" "Logical
View::com::theorycenter::smart::axiom::AlphaNumericSequencer" @40
    ShowCompartmentStereotypes TRUE
    IncludeAttribute TRUE
    IncludeOperation TRUE
    location      (1424, 576)
    label         (object ItemLabel
        Parent_View @40
        location      (1190, 550)
        fill_color    13434879
        nlines        1
        max_width    468
        justify       0
        label
    "AlphaNumericSequencer")
    stereotype   (object ItemLabel

```

```

        Parent_View  @40
        location    (1190, 505)
        fill_color  13434879
        anchor     10
        nlines     1
        max_width  468
        justify    0
        label      "<<interface>>")
        icon       "interface"
        icon_style "Label"
        line_color 3342489
        fill_color  13434879
        quidu      "369CD44B00A0"
        width      486
        height     164
        annotation 8
        autoResize TRUE)
(object AssociationViewNew
"accountGenerator" @41
        location    (1160, 391)
        label      (object SegLabel @42
            Parent_View  @41
            location    (1191, 396)
            font        (object Font
                italics    TRUE)
            anchor     1
            anchor_loc 1
            nlines     1
            max_width  324
            justify    0
            label      "accountGenerator"
            pctDist    1.033333
            height     5
            orientation 1)
            stereotype  TRUE
            line_color  3342489
            quidu      "369D04430076"
            roleview_list (list RoleViews
                (object RoleView "$UNNAMED$0" @43
                    Parent_View  @41
                    location    (-264, -185)
                    stereotype  TRUE
                    line_color  3342489
                    quidu      "369D044302E3"
                    client     @41
                    supplier   @39
                    line_style 0)
                (object RoleView "$UNNAMED$1" @44
                    Parent_View  @41
                    location    (-264, -185)
                    stereotype  TRUE
                    line_color  3342489
                    quidu      "369D044302E4"
                    client     @41
                    supplier   @40
                    line_style 0))))))
(object ClassDiagram "CompanyMain"

```



```

fill_color      13434879
anchor         10
nlines          1
max_width      242
justify         0
label           "<<interface>>")

icon           "interface"
icon_style     "Label"
line_color     3342489
fill_color     13434879
quidu          "369CD3B8015D"
width          260
height          164
annotation     8
autoResize     TRUE)

(object ClassView "Class" "Logical
View::com::theorycenter::smart::foundation::ConfigurableEntity" @47
    ShowCompartmentStereotypes   TRUE
    IncludeAttribute   TRUE
    IncludeOperation   TRUE
    location          (800, 384)
    font              (object Font
        italics         TRUE)
    label              (object ItemLabel
        Parent_View    @47
        location        (621, 332)
        fill_color      13434879
        nlines          1
        max_width      358
        justify         0
        label
    "ConfigurableEntity")

    stereotype   (object ItemLabel
        Parent_View    @47
        location        (621, 287)
        fill_color      13434879
        anchor          10
        nlines          1
        max_width      358
        justify         0
        label           "<<interface>>")

        icon           "interface"
        icon_style     "Label"
        line_color     3342489
        fill_color     13434879
        quidu          "369CE510028E"
        width          376
        height          218
        annotation     8
        autoResize     TRUE)

(object InheritView "" @48
    stereotype   TRUE
    line_color     3342489
    quidu          "369D0688002B"
    client          @45
    supplier        @46
    line_style     0)

```

```

(object InheritView "" @49
  stereotype  TRUE
  line_color  3342489
  quidu      "369D06400032"
  client     @46
  supplier   @47
  line_style 0)))
(object ClassDiagram "HistoryMain"
  quid      "369D3593029F"
  title     "HistoryMain"
  zoom      100
  max_height 28350
  max_width  21600
  origin_x   0
  origin_y   0
  items      (list diagram_item_list
    (object ClassView "Class" "Logical
View::com::theorycenter::smart::foundation::Belonging" @50
      ShowCompartmentStereotypes  TRUE
      IncludeAttribute  TRUE
      IncludeOperation  TRUE
      location      (720, 208)
      font          (object Font
        italics      TRUE)
      label         (object ItemLabel
        Parent_View  @50
        location     (596, 156)
        fill_color   13434879
        nlines       1
        max_width   248
        justify      0
        label        "Belonging")
      stereotype   (object ItemLabel
        Parent_View  @50
        location     (596, 111)
        fill_color   13434879
        anchor       10
        nlines       1
        max_width   248
        justify      0
        label        "<<interface>>")
      icon         "interface"
      icon_style   "Label"
      line_color   3342489
      fill_color   13434879
      quidu       "369CB5490100"
      width        266
      height       218
      annotation   8
      autoResize   TRUE)
    (object ClassView "Class" "Logical
View::com::theorycenter::smart::axiom::Activity_B" @51
      ShowCompartmentStereotypes  TRUE
      IncludeAttribute  TRUE
      IncludeOperation  TRUE
      location      (720, 688)
      label         (object ItemLabel

```

```

        Parent_View  @51
        location    (598, 661)
        fill_color  13434879
        nlines      1
        max_width   244
        justify     0
        label       "Activity_B")
stereotype  (object ItemLabel
        Parent_View  @51
        location    (598, 616)
        fill_color  13434879
        anchor      10
        nlines      1
        max_width   244
        justify     0
        label       "<<interface>>")
        icon        "interface"
        icon_style  "Label"
        line_color  3342489
        fill_color  13434879
        quidu      "369CD47C00FB"
        width      262
        height     166
        annotation  8
        autoResize  TRUE)
(object InheritView "" @52
        stereotype  TRUE
        line_color  3342489
        quidu      "369D16EA03D9"
        client      @51
        supplier    @50
        line_style  0)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::axiom::History_B" @53
        ShowCompartmentStereotypes  TRUE
        IncludeAttribute  TRUE
        IncludeOperation  TRUE
        location        (272, 688)
        label          (object ItemLabel
            Parent_View  @53
            location    (151, 661)
            fill_color  13434879
            nlines      1
            max_width   242
            justify     0
            label       "History_B")
stereotype  (object ItemLabel
            Parent_View  @53
            location    (151, 616)
            fill_color  13434879
            anchor      10
            nlines      1
            max_width   242
            justify     0
            label       "<<interface>>")
            icon        "interface"
            icon_style  "Label"

```

```

        line_color 3342489
        fill_color 13434879
        quidu      "369CD48A012D"
        width      260
        height     166
        annotation 8
        autoResize TRUE)
(object AssociationViewNew "" @54
    location (495, 688)
    stereotype TRUE
    line_color 3342489
    quidu      "369D0F330127"
    roleview_list (list RoleViews
        (object RoleView "" @55
            Parent_View @54
            location (-1073, -256)
            label      (object SegLabel @56
                Parent_View @55
                location (569, 647)
                hidden    TRUE
                anchor    1
                anchor_loc 1
                nlines   1
                max_width 450
                justify   0
                label     ""
                pctDist   0.800000
                height    42
                orientation 0)
                stereotype TRUE
                line_color 3342489
                quidu      "369D0F3302F3"
                client     @54
                supplier   @51
                line_style 0
                label      (object SegLabel @57
                    Parent_View @55
                    location (578, 742)
                    anchor    2
                    anchor_loc 1
                    nlines   1
                    max_width 15
                    justify   0
                    label     "0...*"
                    pctDist   0.900000
                    height    54
                    orientation 1))
            (object RoleView "" @58
                Parent_View @54
                location (-1073, -256)
                label      (object SegLabel @59
                    Parent_View @58
                    location (421, 647)
                    hidden    TRUE
                    anchor    1
                    anchor_loc 1
                    nlines   1

```

```

        max_width      450
        justify        0
        label          ""
        pctDist        0.800000
        height         42
        orientation    1)
        stereotype    TRUE
        line_color    3342489
        quidu        "369D0F3302E9"
        client        @54
        supplier      @53
        line_style    0
        label         (object SegLabel @60
            Parent_View  @58
            location     (412, 742)
            anchor       2
            anchor_loc   1
            nlines       1
            max_width    15
            justify      0
            label        "1"
            pctDist      0.900000
            height       54
            orientation   0)))
        (object InheritView "" @61
            stereotype  TRUE
            line_color  3342489
            quidu      "369DF90701E9"
            client      @53
            supplier    @50
            line_style   0)))
        (object ClassDiagram "WorkFlowMain"
            quid      "369DF6C102C9"
            title     "WorkFlowMain"
            zoom      100
            max_height 28350
            max_width  21600
            origin_x   0
            origin_y   0
            items      (list diagram_item_list
                (object ClassView "Class" "Logical
View::com::theorycenter::smart::axiom::Workflow" @62
                    ShowCompartmentStereotypes  TRUE
                    IncludeAttribute  TRUE
                    IncludeOperation  TRUE
                    location        (720, 1136)
                    label          (object ItemLabel
                        Parent_View  @62
                        location     (599, 1109)
                        fill_color   13434879
                        nlines       1
                        max_width    242
                        justify      0
                        label        "Workflow")
                    stereotype  (object ItemLabel
                        Parent_View  @62
                        location     (599, 1064)

```

```

fill_color      13434879
anchor         10
nlines          1
max_width      242
justify         0
label           "<<Interface>>")

icon           "Interface"
icon_style     "Label"
line_color     3342489
fill_color     13434879
quidu          "369DF631002D"
width          260
height          166
annotation      8
autoResize     TRUE)

(object ClassView "Class" "Logical
View::com::theorycenter::smart::axiom::Type_B" @63
    ShowCompartmentStereotypes      TRUE
    IncludeAttribute    TRUE
    IncludeOperation   TRUE
    location          (1712, 496)
    label             (object ItemLabel
        Parent_View    @63
        location       (1591, 470)
        fill_color     13434879
        nlines          1
        max_width      242
        justify         0
        label           "Type_B")
    stereotype      (object ItemLabel
        Parent_View    @63
        location       (1591, 425)
        fill_color     13434879
        anchor          10
        nlines          1
        max_width      240
        justify         0
        label           "<<interface>>")
    icon           "interface"
    icon_style     "Label"
    line_color     3342489
    fill_color     13434879
    quidu          "369D153D006B"
    width          260
    height          164
    annotation      8
    autoResize     TRUE)

(object ClassView "Class" "Logical
View::com::theorycenter::smart::axiom::Transition_B" @64
    ShowCompartmentStereotypes      TRUE
    IncludeAttribute    TRUE
    IncludeOperation   TRUE
    location          (1424, 1088)
    label             (object ItemLabel
        Parent_View    @64
        location       (1236, 1015)
        fill_color     13434879

```

```

nlines      1
max_width   376
justify     0
label       "Transition_B")
stereotype  (object ItemLabel
  Parent_View  @64
  location    (1236, 970)
  fill_color   13434879
  anchor      10
  nlines      1
  max_width   376
  justify     0
  label       "<<interface>>")
  icon        "interface"
  icon_style   "Label"
  line_color   3342489
  fill_color   13434879
  quidu       "369E0113000B"
  compartment   (object Compartment
    Parent_View  @64
    location    (1236, 1070)
    icon_style   "Icon"
    fill_color   13434879
    anchor      2
    nlines      4
    max_width   372)
    width       394
    height      258
    annotation  8
    autoResize  TRUE)
  (object UsesView "" @65
    stereotype  TRUE
    line_color   3342489
    quidu       "369E019C0379"
    client      @64
    supplier    @63
    line_style  0)
  (object ClassView "Class" "Logical
View::com::theorycenter::smart::axiom::StateMachine" @66
  ShowCompartmentStereotypes  TRUE
  IncludeAttribute  TRUE
  IncludeOperation  TRUE
  location       (1040, 528)
  label         (object ItemLabel
    Parent_View  @66
    location    (863, 385)
    fill_color   13434879
    nlines      1
    max_width   354
    justify     0
    label       "StateMachine")
  stereotype  (object ItemLabel
    Parent_View  @66
    location    (863, 340)
    fill_color   13434879
    anchor      10
    nlines      1

```

```

        max_width      354
        justify        0
        label         "<<Interface>>")
        icon          "Interface"
        icon_style    "Label"
        line_color    3342489
        fill_color    13434879
        quidu        "369DF7030133"
        compartment   (object Compartment
            Parent_View  @66
            location     (863, 440)
            icon_style   "Icon"
            fill_color   13434879
            anchor       2
            nlines       6
            max_width    352)
            width        372
            height       398
            annotation   8
            autoResize   TRUE)
        (object AssociationViewNew "States" @67
            location     (1412, 317)
            label        (object SegLabel @68
                Parent_View  @67
                location     (1412, 258)
                font         (object Font
                    italics     TRUE)
                anchor       1
                anchor_loc   1
                nlines       1
                max_width    120
                justify      0
                label        "States"
                pctDist     0.500000
                height       60
                orientation   0)
            stereotype   TRUE
            line_color   3342489
            quidu        "369E00FA013B"
            roleview_list (list RoleViews
                (object RoleView "$UNNAMED$5" @69
                    Parent_View  @67
                    location     (-300, -179)
                    stereotype   TRUE
                    line_color   3342489
                    quidu        "369E00FA02F4"
                    client       @67
                    supplier     @66
                    vertices     (list Points
                        (1412, 317)
                        (1360, 287)
                        (1226, 387)))
                    line_style   0)
                (object RoleView "$UNNAMED$6" @70
                    Parent_View  @67
                    location     (-300, -179)
                    stereotype   TRUE

```

```

line_color 3342489
quidu      "369E00FA02F5"
client      @67
supplier    @63
line_style  0
label      (object SegLabel @71
            Parent_View  @70
            location    (1537, 452)
            anchor      2
            anchor_loc  1
            nlines      1
            max_width   15
            justify     0
            label       "*""
            pctDist     0.900000
            height      54
            orientation  1)))
(object AssociationViewNew "Transitions"
@72
location      (1256, 842)
label        (object SegLabel @73
            Parent_View  @72
            location    (1256, 783)
            font        (object Font
            italics     TRUE)
            anchor      1
            anchor_loc  1
            nlines      1
            max_width   204
            justify     0
            label       "Transitions"
            pctDist     0.500000
            height      60
            orientation  0)
stereotype   TRUE
line_color 3342489
quidu      "369E01A100E1"
roleview_list (list RoleViews
    (object RoleView "$UNNAMED$7" @74
        Parent_View      @72
        location        (-168, -246)
        stereotype      TRUE
        line_color     3342489
        quidu        "369E01A102C2"
        client        @72
        supplier      @66
        line_style    0)
    (object RoleView "$UNNAMED$8" @75
        Parent_View      @72
        location        (-168, -246)
        stereotype      TRUE
        line_color     3342489
        quidu        "369E01A102CC"
        client        @72
        supplier      @64
        line_style    0
        label        (object SegLabel @76

```

```

                Parent_View      @75
                location       (1371, 916)
                anchor         2
                anchor_loc    1
                nlines         1
                max_width     15
                justify        0
                label          "*""
                pctDist        0.900000
                height         54
                orientation    0)))))

(object InheritView "" @77
    stereotype  TRUE
    line_color  3342489
    quidu      "369E03F501E3"
    client      @62
    supplier    @66
    line_style  0)))))

(object Class_Category "financial"
    quid       "369CAE47006A"
    documentation "This is the Financial Smart
Component group"
    visible_categories (list
visibility_relationship_list
    (object Visibility_Relationship
        quid       "369CB0F90211"
        supplier   "Logical
View::com::theorycenter::smart::axiom"
        quidu      "369CAE2E01A5")
    (object Visibility_Relationship
        quid       "369CB13D022D"
        supplier   "Logical
View::com::theorycenter::smart::foundation"
        quidu      "369CADC800CC"))
    exportControl "Public"
    logical_models (list unit_reference_list
        (object Class "BankAccount"
            quid       "369CE2950245"
            documentation
| A Bank account belonging to one or more BankCustomers
| BankAccountHome::create(a1, a2 , a3);
| bank.<add>BankAccount()
| 

                stereotype "interface"
                superclasses (list
inheritance_relationship_list
    (object Inheritance_Relationship
        quid       "369D0545032A"
        supplier   "Logical
View::com::theorycenter::smart::axiom::Account"
        quidu      "369D013E0287"))
    realized_interfaces (list
realize_rel_list
    (object Realize_Relationship
        quid       "369E21F4009A"

```

```

label      "uses"
supplier   "Logical
View::com::theorycenter::smart::financial::BankBusinessProcess"
    quid      "369E0E6801DF"))
    (object Class "BankLoan"
        quid      "369CE2A60308"
        stereotype "Interface")
    (object Class "BankCustomer"
        quid      "369CE2B00063"
        documentation      "Represents a customer of
the Bank. Question: should we contain a StakeHolder rather than extend it????"
        stereotype "Interface")
    (object Class "CustomerMessage"
        quid      "369CE2C401DE"
        documentation      "A text message sent to a
BankCustomer"
        stereotype "Interface")
    (object Class "LoanHistory"
        quid      "369CE2CF01DA"
        documentation
|List of LoanActivities pertaining to a BankCustomer
|
|Contains an instance of History, which is a collection of ActivityS, but we can
type-cast them into LoanActivities
|
|LoanHistory.getLoanPaymentActivity() {
|
|}
|
|loanHistory uses History

        stereotype "interface"
        superclasses (list
inheritance_relationship_list
    (object Inheritance_Relationship
        quid      "369D311F006F"
        supplier   "Logical
View::com::theorycenter::smart::foundation::ConfigurableEntity"
        quid      "369CE510028E"))
    (object Class "LoanActivity_B"
        quid      "369CE2DE03E4"
        stereotype "interface"
        superclasses (list
inheritance_relationship_list
    (object Inheritance_Relationship
        quid      "369D114102BD"
        supplier   "Logical
View::com::theorycenter::smart::axiom::Activity_B"
        quid      "369CD47C00FB"))
    (object Class "LoanPortfolio"
        quid      "369CE3020011"
        documentation      "A collection of active
BankLoans. Question: should we manage the LifeCycle of our BankLoans?"
        stereotype "interface"
        superclasses (list
inheritance_relationship_list
    (object Inheritance_Relationship

```

```

        quid      "369D14BA0230"
        supplier  "Logical
View::com::theorycenter::smart::foundation::Belonging"
        quidu     "369CB5490100"))
        (object Class "Bank"
        quid      "369D04FA016A"
        stereotype "Interface"
        superclasses (list
inheritance_relationship_list
        (object Inheritance_Relationship
        quid      "369D051102DF"
        supplier  "Logical
View::com::theorycenter::smart::axiom::Company"
        quidu     "369CD3B8015D"))
        operations (list Operations
        (object Operation "createBankCustomer"
        quid      "369E1C1C014D"
        documentation "This is an
automatically generated method. It creates a new BankCustomerInstance"
        parameters (list Parameters
                    (object Parameter "bankCustomerKey
BankCustomerKey"))
        result      "BankCustomer"
        concurrency "Sequential"
        opExportControl "Public"
        uid         0)
        (object Operation "createBankAccount"
        quid      "369E1CB002D6"
        documentation "This is an
automatically generated method. It creates a new BankAccount Instance"
        parameters (list Parameters
                    (object Parameter "bankAccountKey
BankAccountKey"))
        result      "BankAccount"
        concurrency "Sequential"
        opExportControl "Public"
        uid         0)))
        (object Class "LoanBusinessProcess"
        quid      "369E043303D6"
        documentation
|This object helps you to run the business process for the life cycle of a loan
from the lender's point of view.
|It is owned by the application.
|LoanBusinessProcess will contact BankLoanHome and perform operations on
BankLoans, such as changing its attributes, creating new instances, etc
|LoanBusinessProcess is simply a stateless combinatorial engine, i.e a task

        stereotype "Interface"
        superclasses (list
inheritance_relationship_list
        (object Inheritance_Relationship
        quid      "369E151C0273"
        supplier  "Logical
View::com::theorycenter::smart::foundation::Task"
        quidu     "369CE4660153"))
        used_nodes (list uses_relationship_list
        (object Uses_Relationship

```

```

        quid      "369E13F900BC"
        label     "uses"
        supplier "Logical
View::com::theorycenter::smart::financial::BankCustomer"
        quidu     "369CE2B00063")
        (object Uses_Relationship
        quid      "369E261503B1"
        label     "uses"
        supplier "Logical
View::com::theorycenter::smart::financial::LoanSequencer"
        quidu     "369E260700C2")
        (object Uses_Relationship
        quid      "369E367A02DA"
        label     "uses"
        supplier "Logical
View::com::theorycenter::smart::financial::BankLoan"
        quidu     "369CE2A60308"))
        operations (list Operations
        (object Operation "approveLoan"
        quid      "369E061B00D5"
        documentation

```

| Change the status of a Loan to "approved" and do any other business task associated with that event

```

        parameters (list Parameters
        (object Parameter "loan"
        type      "BankLoan"))
        concurrency      "Sequential"
        opExportControl  "Public"
        uid      0)
        (object Operation "declineLoan"
        quid      "369E062F0174"
        documentation

```

| Change the status of a Loan to "declined" and do any other business task associated with that event

```

        parameters (list Parameters
        (object Parameter "loan"
        type      "BankLoan"))
        concurrency      "Sequential"
        opExportControl  "Public"
        uid      0)
        (object Operation "closeLoan"
        quid      "369E06340398"
        documentation

```

| Change the status of a Loan to "closed" and do any other business task associated with that event

```

        parameters (list Parameters
        (object Parameter "loan"
        type      "BankLoan"))
        concurrency      "Sequential"
        opExportControl  "Public"
        uid      0)
        (object Operation "terminateLoan"
        quid      "369E0642013F"
        documentation

```

| Change the status of a Loan to "terminated" and do any other business task associated with that event

```
parameters (list Parameters
  (object Parameter "loan"
    type      "BankLoan"))
  concurrency      "Sequential"
  opExportControl  "Public"
  uid          0)
  (object Operation "prepayLoan"
    quid      "369E06490208"
    documentation
```

| Change the status of a Loan to "prepaid" and do any other business task associated with that event

```
parameters (list Parameters
  (object Parameter "loan"
    type      "BankLoan"))
  concurrency      "Sequential"
  opExportControl  "Public"
  uid          0)
  (object Operation "createLoan"
    quid      "369E12DC0044"
    documentation  "Create a new loan
and add it to a BankCustomer's LoanPortfolio. Needs a valid BankCustomer
reference. This function will create a new primary key using a LoanSequencer."
  parameters (list Parameters
    (object Parameter "customer"
      type      "BankCustomer"))
    result      "BankLoan"
    concurrency      "Sequential"
    opExportControl  "Public"
    uid          0)))
  (object Class "MintLoanProcess"
    quid      "369E07E801E6")
  (object Class "BankBusinessProcess"
    quid      "369E0E6801DF"
    documentation
```

| Application logic to manage the business process of the bank, such as adding a customer, etc. To "Add" a customer, use this BankBusinessProcess rather than going to the bank; this object does more, it implements the Bank's business process

```
  stereotype  "Interface"
  superclasses (list
  inheritance_relationship_list
    (object Inheritance_Relationship
      quid      "369E21320023"
      supplier  "Logical
View::com::theorycenter::smart::foundation::Task"
      quidu      "369CE4660153"))
    used_nodes (list uses_relationship_list
      (object Uses_Relationship
        quid      "369E223E014B"
        label      "uses"
        supplier  "Logical
View::com::theorycenter::smart::financial::BankCustomer"
```

```

        quidu      "369CE2B00063")
(object Uses_Relationship
        quid      "369E225102B0"
        label     "uses"
        supplier  "Logical
View::com::theorycenter::smart::financial::BankAccount"
        quidu      "369CE2950245")
(object Uses_Relationship
        quid      "369E2E7A02CB"
        label     "uses"
        supplier  "Logical
View::com::theorycenter::smart::financial::Bank"
        quidu      "369D04FA016A"))
operations (list Operations
        (object Operation "signUpBankCustomer"
        quid      "369E258A01B2"
        documentation "This adds a new
customer to the Bank. Do this before opening a new account"
        result     "BankCustomer"
        concurrency "Sequential"
        opExportControl "Public"
        uid        0)
        (object Operation "openNewBankAccount"
        quid      "369E278F0198"
        parameters (list Parameters
                    (object Parameter "BankCustomer
BankCustomer"))
        result     "BankAccount"
        concurrency "Sequential"
        opExportControl "Public"
        uid        0)
        (object Operation "closeBankAccount"
        quid      "369E2BC1028C"
        parameters (list Parameters
                    (object Parameter "BankAccount
bankAccount"
                    type      "return"))
        result     "BankAccount"
        concurrency "Sequential"
        opExportControl "Public"
        uid        0)
        (object Operation
"setOverDraftProtection"
        quid      "369E2C030364"
        concurrency "Sequential"
        opExportControl "Public"
        uid        0)))
        (object Class "LoanSequencer"
        quid      "369E260700C2"
        stereotype "interface"
        realized_interfaces (list
realize_rel_list
        (object Realize_Relationship
        quid      "369E26830084"
        label     "uses"
        supplier  "Logical
View::com::theorycenter::smart::axiom::AlphaNumericSequencer"
        quidu      "369CD44B00A0"))

```

```

operations (list Operations
  (object Operation "getNextLoanId"
    quid      "369E262F0354"
    concurrency      "Sequential"
    opExportControl  "Public"
    uid          0)))
  (object Association "$UNNAMED$9"
    quid      "369D05D30392"
    roles    (list role_list
      (object Role "$UNNAMED$10"
        quid      "369D05D402EA"
        supplier  "Logical
View::com::theorycenter::smart::financial::Bank"
        quidu     "369D04FA016A"
        Containment      "By Value"
        is_aggregate    TRUE)
      (object Role "$UNNAMED$11"
        quid      "369D05D402EB"
        supplier  "Logical
View::com::theorycenter::smart::financial::BankAccount"
        quidu     "369CE2950245"
        client_cardinality (value
cardinality "n")
        Containment      "By Value"
        is_navigable    TRUE)))
  (object Association "$UNNAMED$12"
    quid      "369D05D8006E"
    roles    (list role_list
      (object Role "$UNNAMED$13"
        quid      "369D05D80303"
        supplier  "Logical
View::com::theorycenter::smart::financial::Bank"
        quidu     "369D04FA016A"
        is_aggregate    TRUE)
      (object Role "$UNNAMED$14"
        quid      "369D05D8030D"
        supplier  "Logical
View::com::theorycenter::smart::financial::BankCustomer"
        quidu     "369CE2B00063"
        client_cardinality (value
cardinality "n")
        Containment      "By Value"
        is_navigable    TRUE)))
  (object Association "$UNNAMED$15"
    quid      "369D0D29016C"
    roles    (list role_list
      (object Role "$UNNAMED$16"
        quid      "369D0D290325"
        supplier  "Logical
View::com::theorycenter::smart::financial::BankCustomer"
        quidu     "369CE2B00063"
        is_aggregate    TRUE)
      (object Role "$UNNAMED$17"
        quid      "369D0D29032F"
        supplier  "Logical
View::com::theorycenter::smart::financial::LoanPortfolio"
        quidu     "369CE3020011"

```

```

client_cardinality      (value
cardinality "1")
Containment      "By Value"
is_navigable   TRUE)))
(object Association "$UNNAMED$18"
quid          "369D0D4201CC"
roles          (list role_list
  (object Role "$UNNAMED$19"
    quid          "369D0D430047"
    supplier     "Logical
View::com::theorycenter::smart::financial::LoanPortfolio"
    quidu         "369CE3020011"
    is_navigable  TRUE
    is_aggregate  TRUE)
  (object Role "$UNNAMED$20"
    quid          "369D0D430051"
    supplier     "Logical
View::com::theorycenter::smart::financial::BankLoan"
    quidu         "369CE2A60308"
    client_cardinality      (value
cardinality "0..n")
    is_navigable  TRUE)))
(object Association "$UNNAMED$21"
quid          "369D0D8203A5"
roles          (list role_list
  (object Role "$UNNAMED$22"
    quid          "369D0D830234"
    supplier     "Logical
View::com::theorycenter::smart::financial::BankCustomer"
    quidu         "369CE2B00063"
    is_aggregate  TRUE)
  (object Role "$UNNAMED$23"
    quid          "369D0D83023E"
    supplier     "Logical
View::com::theorycenter::smart::financial::CustomerMessage"
    quidu         "369CE2C401DE"
    client_cardinality      (value
cardinality "0..n")
    Containment      "By Value"
    is_navigable   TRUE)))
(object Association "$UNNAMED$24"
quid          "369D0D92023F"
roles          (list role_list
  (object Role "$UNNAMED$25"
    quid          "369D0D9300EC"
    supplier     "Logical
View::com::theorycenter::smart::financial::BankCustomer"
    quidu         "369CE2B00063"
    is_aggregate  TRUE)
  (object Role "$UNNAMED$26"
    quid          "369D0D9300ED"
    supplier     "Logical
View::com::theorycenter::smart::financial::LoanHistory"
    quidu         "369CE2CF01DA"
    client_cardinality      (value
cardinality "1")
    Containment      "By Value"

```

```

                is_navigable      TRUE)))
(object Association "$UNNAMED$27"
    quid          "369D0F330127"
    roles         (list role_list
        (object Role "$UNNAMED$28"
            quid          "369D0F3302E9"
            supplier      "Logical
View::com::theorycenter::smart::axiom::History_B"
            quidu         "369CD48A012D"
            client_cardinality (value
cardinality "1")
                is_aggregate      TRUE)
(object Role "$UNNAMED$29"
    quid          "369D0F3302F3"
    supplier      "Logical
View::com::theorycenter::smart::axiom::Activity_B"
            quidu         "369CD47C00FB"
            client_cardinality (value
cardinality "0..n")
                Containment      "By Value"
                is_navigable      TRUE)))
(object Association "$UNNAMED$30"
    quid          "369D1336028C"
    roles         (list role_list
        (object Role "$UNNAMED$31"
            quid          "369D13370099"
            supplier      "Logical
View::com::theorycenter::smart::financial::LoanHistory"
            quidu         "369CE2CF01DA"
            is_aggregate      TRUE)
(object Role "$UNNAMED$32"
    quid          "369D1337009A"
    supplier      "Logical
View::com::theorycenter::smart::axiom::History_B"
            quidu         "369CD48A012D"
            client_cardinality (value
cardinality "1")
                Containment      "By Value"
                is_navigable      TRUE)))
(object Association "$UNNAMED$33"
    quid          "369D339C01CA"
    roles         (list role_list
        (object Role "$UNNAMED$34"
            quid          "369D339D00E5"
            supplier      "Logical
View::com::theorycenter::smart::financial::BankCustomer"
            quidu         "369CE2B00063"
            is_aggregate      TRUE)
(object Role "$UNNAMED$35"
    quid          "369D339D00E6"
    supplier      "Logical
View::com::theorycenter::smart::axiom::Stakeholder"
            quidu         "369CD35202A1"
            client_cardinality (value
cardinality "1")
                Containment      "By Value"
                is_navigable      TRUE)))

```

```

(object Association "$UNNAMED$36"
  quid      "369D361D021C"
  roles     (list role_list
    (object Role "$UNNAMED$37"
      quid      "369D361E00F1"
      supplier  "Logical
View::com::theorycenter::smart::financial::BankAccount"
      quidu     "369CE2950245"
      is_navigable  TRUE
      is_aggregate  TRUE)
    (object Role "$UNNAMED$38"
      quid      "369D361E0105"
      supplier  "Logical
View::com::theorycenter::smart::financial::BankCustomer"
      quidu     "369CE2B00063"
      is_navigable  TRUE)))
  (object Association "$UNNAMED$39"
    quid      "369D36360069"
    roles     (list role_list
      (object Role "$UNNAMED$40"
        quid      "369D3637002E"
        supplier  "Logical
View::com::theorycenter::smart::financial::BankCustomer"
        quidu     "369CE2B00063"
        is_aggregate  TRUE)
      (object Role "$UNNAMED$41"
        quid      "369D3637002F"
        supplier  "Logical
View::com::theorycenter::smart::financial::BankAccount"
        quidu     "369CE2950245"
        client_cardinality  (value
cardinality "n")
        is_navigable  TRUE)))
  (object Association "$UNNAMED$42"
    quid      "369E26900141"
    roles     (list role_list
      (object Role "$UNNAMED$43"
        quid      "369E269002A9"
        supplier  "Logical
View::com::theorycenter::smart::financial::LoanSequencer"
        quidu     "369E260700C2"
        is_navigable  TRUE
        is_aggregate  TRUE)
      (object Role "$UNNAMED$44"
        quid      "369E269002AA"
        supplier  "Logical
View::com::theorycenter::smart::axiom::AlphaNumericSequencer"
        quidu     "369CD44B00A0"
        client_cardinality  (value
cardinality "1")
        Containment      "By Value"
        is_navigable  TRUE)))
  (object Association "$UNNAMED$45"
    quid      "369E27160158"
    roles     (list role_list
      (object Role "$UNNAMED$46"
        quid      "369E271603CF"

```

```

        supplier      "Logical
View::com::theorycenter::smart::financial::LoanBusinessProcess"
        quidu        "369E043303D6"
        Containment      "By Value"
        is_navigable    TRUE
        is_aggregate    TRUE)
        (object Role "$UNNAMED$47"
        quid        "369E271603D0"
        supplier      "Logical
View::com::theorycenter::smart::financial::LoanSequencer"
        quidu        "369E260700C2"
        client_cardinality (value
cardinality "1")
        Containment      "By Value"
        is_navigable    TRUE)))
        (object Association "$UNNAMED$48"
        quid        "369E285803BE"
        roles        (list role_list
        (object Role "$UNNAMED$49"
        quid        "369E28590170"
        supplier      "Logical
View::com::theorycenter::smart::axiom::AlphaNumericSequencer"
        quidu        "369CD44B00A0"
        is_navigable    TRUE
        is_aggregate    TRUE)
        (object Role "$UNNAMED$50"
        quid        "369E2859017A"
        supplier      "Logical
View::com::theorycenter::smart::financial::BankBusinessProcess"
        quidu        "369E0E6801DF"
        is_navigable    TRUE)))
        logical_presentations (list unit_reference_list
        (object ClassDiagram "Main"
        quid        "369CE280024F"
        title        "Main"
        zoom         100
        max_height  28350
        max_width   21600
        origin_x    0
        origin_y    0
        items        (list diagram_item_list
        (object ClassView "Class" "Logical
View::com::theorycenter::smart::financial::BankLoan" @78
        ShowCompartmentStereotypes    TRUE
        IncludeAttribute   TRUE
        IncludeOperation   TRUE
        location        (1088, 1520)
        label          (object ItemLabel
        Parent_View    @78
        location        (967, 1494)
        fill_color      13434879
        nlines         1
        max_width      242
        justify        0
        label          "BankLoan")
        stereotype     (object ItemLabel
        Parent_View    @78

```

```

        location      (967, 1449)
        fill_color   13434879
        anchor       10
        nlines       1
        max_width   242
        justify      0
        label        "<<Interface>>")
        icon         "Interface"
        icon_style   "Label"
        line_color   3342489
        fill_color   13434879
        quidu        "369CE2A60308"
        width        260
        height       164
        annotation   8
        autoResize   TRUE)
        (object ClassView "Class" "Logical
View::com::theorycenter::smart::axiom::Account" @79
        ShowCompartmentStereotypes   TRUE
        IncludeAttribute   TRUE
        IncludeOperation   TRUE
        location      (800, 272)
        label        (object ItemLabel
            Parent_View  @79
            location    (679, 223)
            fill_color   13434879
            nlines       1
            max_width   242
            justify      0
            label        "Account")
        stereotype   (object ItemLabel
            Parent_View  @79
            location    (679, 178)
            fill_color   13434879
            anchor       10
            nlines       1
            max_width   242
            justify      0
            label        "<<interface>>")
            icon         "interface"
            icon_style   "Label"
            line_color   3342489
            fill_color   13434879
            quidu        "369D013E0287"
            width        260
            height       210
            annotation   8
            autoResize   TRUE)
        (object ClassView "Class" "Logical
View::com::theorycenter::smart::foundation::Belonging" @80
        ShowCompartmentStereotypes   TRUE
        IncludeAttribute   TRUE
        IncludeOperation   TRUE
        location      (352, 272)
        font        (object Font
            italics      TRUE)
        label        (object ItemLabel

```

```

        Parent_View  @80
        location    (231, 222)
        fill_color  13434879
        nlines      1
        max_width   242
        justify     0
        label       "Belonging")
stereotype  (object ItemLabel
        Parent_View  @80
        location    (231, 177)
        fill_color  13434879
        anchor      10
        nlines      1
        max_width   242
        justify     0
        label       "<<interface>>")
        icon        "interface"
        icon_style  "Label"
        line_color  3342489
        fill_color  13434879
        quidu      "369CB5490100"
        width      260
        height     214
        annotation  8
        autoResize  TRUE)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::axiom::Workflow" @81
        ShowCompartmentStereotypes  TRUE
        IncludeAttribute  TRUE
        IncludeOperation  TRUE
        location      (1504, 1328)
        label        (object ItemLabel
            Parent_View  @81
            location    (1373, 1279)
            fill_color  13434879
            nlines      1
            max_width   262
            justify     0
            label       "Workflow")
        stereotype  (object ItemLabel
            Parent_View  @81
            location    (1373, 1234)
            fill_color  13434879
            anchor      10
            nlines      1
            max_width   259
            justify     0
            label       "<<Interface>>")
            icon        "Interface"
            icon_style  "Label"
            line_color  3342489
            fill_color  13434879
            quidu      "369DF631002D"
            width      280
            height     210
            annotation  8
            autoResize  TRUE)

```

```

(object ClassView "Class" "Logical
View::com::theorycenter::smart::financial::MintLoanProcess" @82
    ShowCompartmentStereotypes      TRUE
    IncludeAttribute    TRUE
    IncludeOperation   TRUE
    location      (1600, 1600)
    label        (object ItemLabel
        Parent_View  @82
        location    (1432, 1554)
        fill_color  13434879
        nlines      1
        max_width   336
        justify     0
        label       "MintLoanProcess")
        icon_style  "Icon"
        line_color  3342489
        fill_color  13434879
        quidu      "369E07E801E6"
        width       354
        height      114
        annotation  8
        autoResize  TRUE)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::financial::BankAccount" @83
    ShowCompartmentStereotypes      TRUE
    IncludeAttribute    TRUE
    IncludeOperation   TRUE
    location      (800, 672)
    label        (object ItemLabel
        Parent_View  @83
        location    (666, 646)
        fill_color  13434879
        nlines      1
        max_width   268
        justify     0
        label       "BankAccount")
        stereotype  (object ItemLabel
            Parent_View  @83
            location    (666, 601)
            fill_color  13434879
            anchor     10
            nlines      1
            max_width   268
            justify     0
            label       "<<interface>>")
        icon      "interface"
        icon_style "Label"
        line_color 3342489
        fill_color  13434879
        quidu      "369CE2950245"
        width       286
        height      164
        annotation  8
        autoResize  TRUE)
(object InheritView "" @84
    stereotype  TRUE
    line_color  3342489

```

```

        quidu      "369D0545032A"
        client     @83
        supplier   @79
        line_style 0)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::financial::LoanPortfolio" @85
    ShowCompartmentStereotypes TRUE
    IncludeAttribute TRUE
    IncludeOperation TRUE
    location   (352, 688)
    label      (object ItemLabel
        Parent_View @85
        location   (217, 662)
        fill_color 13434879
        nlines     1
        max_width  270
        justify    0
        label      "LoanPortfolio")
    stereotype (object ItemLabel
        Parent_View @85
        location   (217, 617)
        fill_color 13434879
        anchor     10
        nlines     1
        max_width  270
        justify    0
        label      "<<interface>>")
        icon      "interface"
        icon_style "Label"
        line_color 3342489
        fill_color 13434879
        quidu     "369CE3020011"
        width     288
        height    164
        annotation 8
        autoResize TRUE)
(object InheritView "" @86
    stereotype TRUE
    line_color 3342489
    quidu     "369D14BA0230"
    client     @85
    supplier   @80
    line_style 0)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::financial::CustomerMessage" @87
    ShowCompartmentStereotypes TRUE
    IncludeAttribute TRUE
    IncludeOperation TRUE
    location   (1280, 688)
    label      (object ItemLabel
        Parent_View @87
        location   (1100, 662)
        fill_color 13434879
        nlines     1
        max_width  360
        justify    0
        label      "CustomerMessage")

```

```

stereotype (object ItemLabel
  Parent_View @87
  location (1100, 617)
  fill_color 13434879
  anchor 10
  nlines 1
  max_width 360
  justify 0
  label "<<Interface>>")
  icon "Interface"
  icon_style "Label"
  line_color 3342489
  fill_color 13434879
  quidu "369CE2C401DE"
  width 378
  height 164
  annotation 8
  autoResize TRUE)))
(object ClassDiagram "BankMain"
  quid "369D056C0218"
  title "BankMain"
  zoom 100
  max_height 28350
  max_width 21600
  origin_x 0
  origin_y 0
  items (list diagram_item_list
    (object ClassView "Class" "Logical
View::com::theorycenter::smart::axiom::Company" @88
      ShowCompartmentStereotypes TRUE
      IncludeAttribute TRUE
      IncludeOperation TRUE
      location (624, 144)
      label (object ItemLabel
        Parent_View @88
        location (503, 95)
        fill_color 13434879
        nlines 1
        max_width 242
        justify 0
        label "Company")
      stereotype (object ItemLabel
        Parent_View @88
        location (503, 50)
        fill_color 13434879
        anchor 10
        nlines 1
        max_width 242
        justify 0
        label "<<interface>>")
        icon "interface"
        icon_style "Label"
        line_color 3342489
        fill_color 13434879
        quidu "369CD3B8015D"
        width 260
        height 210
      )
    )
  )
)

```

```

annotation 8
autoResize TRUE)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::financial::Bank" @89
    ShowCompartmentStereotypes TRUE
    IncludeAttribute TRUE
    IncludeOperation TRUE
    location (624, 560)
    label (object ItemLabel
        Parent_View @89
        location (405, 484)
        fill_color 13434879
        nlines 1
        max_width 438
        justify 0
        label "Bank")
    stereotype (object ItemLabel
        Parent_View @89
        location (405, 439)
        fill_color 13434879
        anchor 10
        nlines 1
        max_width 438
        justify 0
        label "<<Interface>>")
    icon "Interface"
    icon_style "Label"
    line_color 3342489
    fill_color 13434879
    quidu "369D04FA016A"
    compartment (object Compartment
        Parent_View @89
        location (405, 539)
        icon_style "Icon"
        fill_color 16777215
        anchor 2
        nlines 3
        max_width 435)
        width 456
        height 264
        annotation 8
        autoResize TRUE)
    (object InheritView "" @90
        stereotype TRUE
        line_color 3342489
        quidu "369D051102DF"
        client @89
        supplier @88
        line_style 0)
    (object ClassView "Class" "Logical
View::com::theorycenter::smart::financial::BankCustomer" @91
    ShowCompartmentStereotypes TRUE
    IncludeAttribute TRUE
    IncludeOperation TRUE
    location (192, 1120)
    label (object ItemLabel
        Parent_View @91

```

```

        location      (46, 1094)
        fill_color   13434879
        nlines       1
        max_width   292
        justify      0
        label        "BankCustomer")
stereotype  (object ItemLabel
    Parent_View  @91
    location     (46, 1049)
    fill_color   13434879
    anchor       10
    nlines       1
    max_width   292
    justify      0
    label        "<<Interface>>")
    icon         "Interface"
    icon_style   "Label"
    line_color   3342489
    fill_color   13434879
    quidu        "369CE2B00063"
    width        310
    height       164
    annotation   8
    autoResize   TRUE)
(object AssociationViewNew "$UNNAMED$12"
@92
        location      (387, 864)
        stereotype   TRUE
        line_color   3342489
        quidu        "369D05D8006E"
        roleview_list (list RoleViews
            (object RoleView "$UNNAMED$13" @93
                Parent_View   @92
                location     (-1069, 368)
                stereotype   TRUE
                line_color   3342489
                quidu        "369D05D80303"
                client       @92
                supplier    @89
                line_style   0)
            (object RoleView "$UNNAMED$14" @94
                Parent_View   @92
                location     (-1069, 368)
                stereotype   TRUE
                line_color   3342489
                quidu        "369D05D8030D"
                client       @92
                supplier    @91
                line_style   0
                label        (object SegLabel @95
                    Parent_View   @94
                    location     (311, 1052)
                    anchor       2
                    anchor_loc   1
                    nlines       1
                    max_width   15
                    justify      0

```

```

label      "*"
pctDist   0.900000
height    54
orientation 0)))
(object ClassView "Class" "Logical
View::com::theorycenter::smart::financial::BankAccount" @96
  ShowCompartmentStereotypes  TRUE
  IncludeAttribute  TRUE
  IncludeOperation  TRUE
  location    (1056, 1104)
  label      (object ItemLabel
    Parent_View  @96
    location    (922, 1078)
    fill_color  13434879
    nlines     1
    max_width  268
    justify    0
    label      "BankAccount")
  stereotype  (object ItemLabel
    Parent_View  @96
    location    (922, 1033)
    fill_color  13434879
    anchor     10
    nlines     1
    max_width  268
    justify    0
    label      "<<interface>>")
  icon      "interface"
  icon_style "Label"
  line_color 3342489
  fill_color 13434879
  quidu     "369CE2950245"
  width     286
  height    164
  annotation 8
  autoResize TRUE)
(object AssociationViewNew "$UNNAMED$9"
@97
  location    (859, 856)
  stereotype  TRUE
  line_color 3342489
  quidu     "369D05D30392"
  roleview_list  (list RoleViews
    (object RoleView "$UNNAMED$10" @98
      Parent_View  @97
      location    (-85, 360)
      stereotype  TRUE
      line_color 3342489
      quidu     "369D05D402EA"
      client     @97
      supplier   @89
      line_style 0)
    (object RoleView "$UNNAMED$11" @99
      Parent_View  @97
      location    (-85, 360)
      stereotype  TRUE
      line_color 3342489

```



```

        Parent_View      @104
        location      (-427, -239)
        stereotype    TRUE
        line_color    3342489
        quidu        "369D3637002E"
        client        @104
        supplier      @91
        line_style    0
    (object RoleView "$UNNAMED$41"
@106
        Parent_View      @104
        location      (-427, -239)
        stereotype    TRUE
        line_color    3342489
        quidu        "369D3637002F"
        client        @104
        supplier      @96
        vertices      (list Points
                      (581, 993)
                      (638, 975)
                      (912, 1059))
        line_style    0
        label         (object SegLabel
@107
        Parent_View      @106
        location      (863, 1101)
        anchor        2
        anchor_loc    1
        nlines        1
        max_width    15
        justify       0
        label         "*"*
        pctDist      0.900000
        height        54
        orientation   1))))))
    (object ClassDiagram "BankCustomerMain"
        quid        "369D0CDE024A"
        title       "BankCustomerMain"
        zoom        100
        max_height  28350
        max_width   21600
        origin_x    231
        origin_y    340
        items       (list diagram_item_list
                      (object ClassView "Class" "Logical
View::com::theorycenter::smart::financial::BankLoan" @108
                        ShowCompartmentStereotypes  TRUE
                        IncludeAttribute  TRUE
                        IncludeOperation  TRUE
                        location        (864, 1824)
                        label          (object ItemLabel
                          Parent_View    @108
                          location      (743, 1798)
                          fill_color    13434879
                          nlines        1
                          max_width    242
                          justify       0

```

```

        label          "BankLoan")
stereotype  (object ItemLabel
    Parent_View  @108
    location    (743, 1753)
    fill_color  13434879
    anchor      10
    nlines      1
    max_width   242
    justify     0
    label       "<<Interface>>")
    icon        "Interface"
    icon_style  "Label"
    line_color  3342489
    fill_color  13434879
    quidu      "369CE2A60308"
    width      260
    height     164
    annotation  8
    autoResize  TRUE)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::foundation::Entity" @109
    ShowCompartmentStereotypes  TRUE
    IncludeAttribute  TRUE
    IncludeOperation  TRUE
    location      (480, 464)
    font          (object Font
                    italics      TRUE)
    label         (object ItemLabel
        Parent_View  @109
        location    (359, 414)
        fill_color  13434879
        nlines      1
        max_width   242
        justify     0
        label       "Entity")
    stereotype  (object ItemLabel
        Parent_View  @109
        location    (359, 369)
        fill_color  13434879
        anchor      10
        nlines      1
        max_width   242
        justify     0
        label       "<<interface>>")
        icon        "interface"
        icon_style  "Label"
        line_color  3342489
        fill_color  13434879
        quidu      "369CB19D0018"
        width      260
        height     214
        annotation  8
        autoResize  TRUE)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::financial::LoanPortfolio" @110
    ShowCompartmentStereotypes  TRUE
    IncludeAttribute  TRUE

```

```

IncludeOperation TRUE
location (864, 1456)
label (object ItemLabel
  Parent_View @110
  location (729, 1430)
  fill_color 13434879
  nlines 1
  max_width 270
  justify 0
  label "LoanPortfolio")
stereotype (object ItemLabel
  Parent_View @110
  location (729, 1385)
  fill_color 13434879
  anchor 10
  nlines 1
  max_width 270
  justify 0
  label "<<interface>>")
icon "interface"
icon_style "Label"
line_color 3342489
fill_color 13434879
quidu "369CE3020011"
width 288
height 164
annotation 8
autoResize TRUE)
(object AssociationViewNew "$UNNAMED$18"
@111
  location (864, 1639)
  stereotype TRUE
  line_color 3342489
  quidu "369D0D4201CC"
  roleview_list (list RoleViews
    (object RoleView "$UNNAMED$19"
@112
  Parent_View @111
  location (432, 215)
  stereotype TRUE
  line_color 3342489
  quidu "369D0D430047"
  client @111
  supplier @110
  line_style 0)
  (object RoleView "$UNNAMED$20"
@113
  Parent_View @111
  location (432, 215)
  stereotype TRUE
  line_color 3342489
  quidu "369D0D430051"
  client @111
  supplier @108
  line_style 0
  label (object SegLabel
@114

```

```

        Parent_View @113
        location (918, 1731)
        anchor 2
        anchor_loc 1
        nlines 1
        max_width 15
        justify 0
        label "0...*"
        pctDist 0.900000
        height 54
        orientation 0))))
(object ClassView "Class" "Logical
View::com::theorycenter::smart::financial::CustomerMessage" @115
    ShowCompartmentStereotypes TRUE
    IncludeAttribute TRUE
    IncludeOperation TRUE
    location (1328, 1456)
    label (object ItemLabel
        Parent_View @115
        location (1148, 1430)
        fill_color 13434879
        nlines 1
        max_width 360
        justify 0
        label "CustomerMessage")
    stereotype (object ItemLabel
        Parent_View @115
        location (1148, 1385)
        fill_color 13434879
        anchor 10
        nlines 1
        max_width 360
        justify 0
        label "<<Interface>>")
        icon "Interface"
        icon_style "Label"
        line_color 3342489
        fill_color 13434879
        quidu "369CE2C401DE"
        width 378
        height 164
        annotation 8
        autoResize TRUE)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::financial::LoanHistory" @116
    ShowCompartmentStereotypes TRUE
    IncludeAttribute TRUE
    IncludeOperation TRUE
    location (1808, 1456)
    label (object ItemLabel
        Parent_View @116
        location (1687, 1430)
        fill_color 13434879
        nlines 1
        max_width 242
        justify 0
        label "LoanHistory"))

```

```

        stereotype (object ItemLabel
            Parent_View @116
            location (1687, 1385)
            fill_color 13434879
            anchor 10
            nlines 1
            max_width 242
            justify 0
            label "<<interface>>")
            icon "interface"
            icon_style "Label"
            line_color 3342489
            fill_color 13434879
            quidu "369CE2CF01DA"
            width 260
            height 164
            annotation 8
            autoResize TRUE)
        (object ClassView "Class" "Logical
View::com::theorycenter::smart::financial::BankCustomer" @117
            ShowCompartmentStereotypes TRUE
            IncludeAttribute TRUE
            IncludeOperation TRUE
            location (1344, 640)
            label (object ItemLabel
                Parent_View @117
                location (1198, 614)
                fill_color 13434879
                nlines 1
                max_width 292
                justify 0
                label "BankCustomer")
            stereotype (object ItemLabel
                Parent_View @117
                location (1198, 569)
                fill_color 13434879
                anchor 10
                nlines 1
                max_width 292
                justify 0
                label "<<Interface>>")
                icon "Interface"
                icon_style "Label"
                line_color 3342489
                fill_color 13434879
                quidu "369CE2B00063"
                width 310
                height 164
                annotation 8
                autoResize TRUE)
            (object AssociationViewNew "$UNNAMED$15"
@118
                location (987, 1011)
                stereotype TRUE
                line_color 3342489
                quidu "369D0D29016C"
                roleview_list (list RoleViews

```

```

(object RoleView "$UNNAMED$16"
@119
    Parent_View      @118
    location      (619, -29)
    stereotype    TRUE
    line_color    3342489
    quidu        "369D0D290325"
    client        @118
    supplier      @117
    line_style    0)
(object RoleView "$UNNAMED$17"
@120
    Parent_View      @118
    location      (619, -29)
    stereotype    TRUE
    line_color    3342489
    quidu        "369D0D29032F"
    client        @118
    supplier      @110
    vertices      (list Points
                    (987, 1011)
                    (893, 1110)
                    (870, 1373))
    line_style    0
    label         (object SegLabel
@121
        Parent_View      @120
        location      (927, 1338)
        anchor        2
        anchor_loc    1
        nlines        1
        max_width    15
        justify       0
        label         "1"
        pctDist       0.900000
        height        54
        orientation   0)))
(object AssociationViewNew "$UNNAMED$21"
@122
    location      (1335, 1047)
    stereotype    TRUE
    line_color    3342489
    quidu        "369D0D8203A5"
    roleview_list  (list RoleViews
                    (object RoleView "$UNNAMED$22"
@123
        Parent_View      @122
        location      (535, -25)
        stereotype    TRUE
        line_color    3342489
        quidu        "369D0D830234"
        client        @122
        supplier      @117
        line_style    0)
    (object RoleView "$UNNAMED$23"
@124
    Parent_View      @122

```



```

        nlines      1
        max_width  15
        justify    0
        label      "1"
        pctDist    0.900000
        height     54
        orientation 0)))
(object ClassView "Class" "Logical
View::com::theorycenter::smart::axiom::Stakeholder" @130
    ShowCompartmentStereotypes  TRUE
    IncludeAttribute  TRUE
    IncludeOperation  TRUE
    location      (784, 784)
    label         (object ItemLabel
        Parent_View  @130
        location    (661, 735)
        fill_color  13434879
        nlines      1
        max_width   246
        justify     0
        label       "Stakeholder")
    stereotype   (object ItemLabel
        Parent_View  @130
        location    (661, 690)
        fill_color  13434879
        anchor      10
        nlines      1
        max_width   246
        justify     0
        label       "<<interface>>")
    icon        "interface"
    icon_style  "Label"
    line_color  3342489
    fill_color  13434879
    quidu      "369CD35202A1"
    width      264
    height     210
    annotation  8
    autoResize  TRUE)
(object InheritView "" @131
    stereotype  TRUE
    line_color  3342489
    quidu      "369D326502DB"
    client     @130
    supplier   @109
    line_style 0)
(object AssociationViewNew "$UNNAMED$33"
@132
    location    (1052, 714)
    stereotype  TRUE
    line_color  3342489
    quidu      "369D339C01CA"
    roleview_list (list RoleViews
        (object RoleView "$UNNAMED$34"
@133
        Parent_View      @132
        location       (716, -294)

```

```

        stereotype  TRUE
        line_color  3342489
        quidu      "369D339D00E5"
        client      @132
        supplier    @117
        line_style  0
    (object RoleView "$UNNAMED$35"
@134
        Parent_View      @132
        location      (716, -294)
        stereotype    TRUE
        line_color    3342489
        quidu      "369D339D00E6"
        client      @132
        supplier    @130
        line_style  0
        label       (object SegLabel
@135
        Parent_View      @134
        location      (944, 797)
        anchor       2
        anchor_loc   1
        nlines       1
        max_width    15
        justify      0
        label        "1"
        pctDist      0.900000
        height       54
        orientation  0))))))
    (object ClassDiagram "LoanHistoryMain"
        quid      "369D144D0323"
        title     "LoanHistoryMain"
        zoom      100
        max_height 28350
        max_width  21600
        origin_x   0
        origin_y   0
        items      (list diagram_item_list
            (object ClassView "Class" "Logical
View::com::theorycenter::smart::financial::LoanActivity_B" @136
                ShowCompartmentStereotypes  TRUE
                IncludeAttribute  TRUE
                IncludeOperation  TRUE
                location      (1296, 1216)
                label       (object ItemLabel
                    Parent_View      @136
                    location      (1149, 1190)
                    fill_color    13434879
                    nlines       1
                    max_width    294
                    justify      0
                    label        "LoanActivity_B")
                stereotype  (object ItemLabel
                    Parent_View      @136
                    location      (1149, 1145)
                    fill_color    13434879
                    anchor       10

```

```

nlines      1
max_width   294
justify     0
label       "<<interface>>")
icon        "interface"
icon_style  "Label"
line_color   3342489
fill_color   13434879
quidu       "369CE2DE03E4"
width       312
height      164
annotation   8
autoResize   TRUE)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::axiom::Activity_B" @137
    ShowCompartmentStereotypes   TRUE
    IncludeAttribute   TRUE
    IncludeOperation   TRUE
    location      (1296, 736)
    label         (object ItemLabel
        Parent_View   @137
        location     (1175, 687)
        fill_color   13434879
        nlines       1
        max_width    242
        justify      0
        label        "Activity_B")
    stereotype   (object ItemLabel
        Parent_View   @137
        location     (1175, 642)
        fill_color   13434879
        anchor       10
        nlines       1
        max_width    242
        justify      0
        label        "<<interface>>")
        icon        "interface"
        icon_style  "Label"
        line_color   3342489
        fill_color   13434879
        quidu       "369CD47C00FB"
        width       260
        height      210
        annotation   8
        autoResize   TRUE)
    (object InheritView "" @138
        stereotype   TRUE
        line_color   3342489
        quidu       "369D114102BD"
        client      @136
        supplier    @137
        line_style   0)
    (object ClassView "Class" "Logical
View::com::theorycenter::smart::financial::LoanHistory" @139
    ShowCompartmentStereotypes   TRUE
    IncludeAttribute   TRUE
    IncludeOperation   TRUE

```

```

location      (272, 736)
label        (object ItemLabel
    Parent_View  @139
    location    (151, 710)
    fill_color  13434879
    nlines      1
    max_width   242
    justify     0
    label       "LoanHistory")
stereotype  (object ItemLabel
    Parent_View  @139
    location    (151, 665)
    fill_color  13434879
    anchor      10
    nlines      1
    max_width   242
    justify     0
    label       "<<interface>>")
icon        "interface"
icon_style  "Label"
line_color  3342489
fill_color  13434879
quidu      "369CE2CF01DA"
width      260
height     164
annotation  8
autoResize  TRUE)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::axiom::History_B" @140
    ShowCompartmentStereotypes  TRUE
    IncludeAttribute  TRUE
    IncludeOperation  TRUE
    location      (832, 736)
    label        (object ItemLabel
        Parent_View  @140
        location    (711, 687)
        fill_color  13434879
        nlines      1
        max_width   242
        justify     0
        label       "History_B")
stereotype  (object ItemLabel
    Parent_View  @140
    location    (711, 642)
    fill_color  13434879
    anchor      10
    nlines      1
    max_width   242
    justify     0
    label       "<<interface>>")
icon        "interface"
icon_style  "Label"
line_color  3342489
fill_color  13434879
quidu      "369CD48A012D"
width      260
height     210

```

```

annotation 8
autoResize TRUE)
(object AssociationViewNew "$UNNAMED$27"
@141
location (1063, 736)
stereotype TRUE
line_color 3342489
quidu "369D0F330127"
roleview_list (list RoleViews
(object RoleView "$UNNAMED$29"
@142
Parent_View @141
location (791, 544)
label (object SegLabel
@143
Parent_View @142
location (1145, 695)
hidden TRUE
anchor 1
anchor_loc 1
nlines 1
max_width 450
justify 0
label ""
pctDist 0.800000
height 42
orientation 0)
stereotype TRUE
line_color 3342489
quidu "369D0F3302F3"
client @141
supplier @137
line_style 0
label (object SegLabel
@144
Parent_View @142
location (1155, 790)
anchor 2
anchor_loc 1
nlines 1
max_width 15
justify 0
label "0..*"
pctDist 0.900000
height 54
orientation 1))
(object RoleView "$UNNAMED$28"
@145
Parent_View @141
location (791, 544)
label (object SegLabel
@146
Parent_View @145
location (983, 695)
hidden TRUE
anchor 1
anchor_loc 1

```

```

                nlines      1
                max_width  450
                justify    0
                label      ""
                pctDist    0.800000
                height     42
                orientation 1)
stereotype  TRUE
line_color  3342489
quidu      "369D0F3302E9"
client      @141
supplier    @140
line_style  0
label       (object SegLabel
@147
                Parent_View  @145
                location    (972, 790)
                anchor      2
                anchor_loc  1
                nlines      1
                max_width   15
                justify    0
                label      "1"
                pctDist    0.900000
                height     54
                orientation 0)))
(object AssociationViewNew "$UNNAMED$30"
@148
                location    (551, 736)
                stereotype  TRUE
                line_color  3342489
                quidu      "369D1336028C"
                roleview_list (list RoleViews
                (object RoleView "$UNNAMED$31"
@149
                Parent_View  @148
                location    (279, 544)
                stereotype  TRUE
                line_color  3342489
                quidu      "369D13370099"
                client      @148
                supplier    @139
                line_style  0)
                (object RoleView "$UNNAMED$32"
@150
                Parent_View  @148
                location    (279, 544)
                stereotype  TRUE
                line_color  3342489
                quidu      "369D1337009A"
                client      @148
                supplier    @140
                line_style  0
                label       (object SegLabel
@151
                Parent_View  @150
                location    (685, 790)

```

```

                anchor          2
                anchor_loc     1
                nlines         1
                max_width     15
                justify        0
                label          "1"
                pctDist        0.900000
                height         54
                orientation    1))))
(object ClassView "Class" "Logical
View::com::theorycenter::smart::foundation::ConfigurableEntity" @152
    ShowCompartmentStereotypes    TRUE
    IncludeAttribute   TRUE
    IncludeOperation   TRUE
    location          (352, 256)
    font              (object Font
        italics         TRUE)
    label              (object ItemLabel
        Parent_View    @152
        location        (173, 205)
        fill_color      13434879
        nlines          1
        max_width       358
        justify         0
        label
    "ConfigurableEntity")
    stereotype  (object ItemLabel
        Parent_View    @152
        location        (173, 160)
        fill_color      13434879
        anchor          10
        nlines          1
        max_width       358
        justify         0
        label           "<<interface>>")
        icon             "interface"
        icon_style      "Label"
        line_color       3342489
        fill_color       13434879
        quidu           "369CE510028E"
        width            376
        height           216
        annotation       8
        autoResize      TRUE)
    (object InheritView "" @153
        stereotype      TRUE
        line_color       3342489
        quidu           "369D311F006F"
        client           @139
        supplier         @152
        line_style       0)))
(object ClassDiagram "LoanBusinessProcessMain"
    quid            "369E14E2026F"
    title           "LoanBusinessProcessMain"
    zoom            100
    max_height     28350
    max_width      21600

```



```

        max_width      240
        justify        0
        label          "<<interface>>")
        icon           "interface"
        icon_style    "Label"
        line_color    3342489
        fill_color    13434879
        quidu         "369CE4660153"
        width         260
        height        214
        annotation    8
        autoResize    TRUE)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::axiom::AlphaNumericSequencer" @156
    ShowCompartmentStereotypes    TRUE
    IncludeAttribute   TRUE
    IncludeOperation   TRUE
    location         (1536, 1552)
    label            (object ItemLabel
        Parent_View   @156
        location      (1302, 1503)
        fill_color    13434879
        nlines        1
        max_width     468
        justify        0
        label
    "AlphaNumericSequencer")
    stereotype   (object ItemLabel
        Parent_View   @156
        location      (1302, 1458)
        fill_color    13434879
        anchor        10
        nlines        1
        max_width     468
        justify        0
        label          "<<interface>>")
        icon           "interface"
        icon_style    "Label"
        line_color    3342489
        fill_color    13434879
        quidu         "369CD44B00A0"
        width         486
        height        210
        annotation    8
        autoResize    TRUE)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::financial::LoanSequencer" @157
    ShowCompartmentStereotypes    TRUE
    IncludeAttribute   TRUE
    IncludeOperation   TRUE
    location         (592, 1520)
    label            (object ItemLabel
        Parent_View   @157
        location      (431, 1454)
        fill_color    13434879
        nlines        1
        max_width     322

```

```

                justify      0
                label       "LoanSequencer")
stereotype  (object ItemLabel
    Parent_View  @157
    location     (431, 1409)
    fill_color   13434879
    anchor       10
    nlines       1
    max_width   322
    justify      0
    label        "<<interface>>")
icon        "interface"
icon_style  "Label"
line_color  3342489
fill_color  13434879
quidu      "369E260700C2"
compartment (object Compartment
    Parent_View  @157
    location     (431, 1509)
    icon_style   "Icon"
    fill_color   13434879
    anchor       2
    nlines       2
    max_width   315)
width      340
height     245
annotation 8
autoResize TRUE)
(object AssociationViewNew "$UNNAMED$42"
@158
    location  (1027, 1534)
    stereotype TRUE
    line_color 3342489
    quidu      "369E26900141"
    roleview_list (list RoleViews
        (object RoleView "$UNNAMED$43"
@159
    Parent_View      @158
    location        (-861, 846)
    stereotype      TRUE
    line_color     3342489
    quidu         "369E269002A9"
    client         @158
    supplier       @157
    line_style    0)
    (object RoleView "$UNNAMED$44"
@160
    Parent_View      @158
    location        (-861, 846)
    stereotype      TRUE
    line_color     3342489
    quidu         "369E269002AA"
    client         @158
    supplier       @156
    line_style    0
    label          (object SegLabel
@161

```

```

                Parent_View @160
                location (1263, 1596)
                anchor 2
                anchor_loc 1
                nlines 1
                max_width 15
                justify 0
                label "1"
                pctDist 0.900000
                height 54
                orientation 1))))
(object ClassView "Class" "Logical
View::com::theorycenter::smart::financial::LoanBusinessProcess" @162
    ShowCompartmentStereotypes TRUE
    IncludeAttribute TRUE
    IncludeOperation TRUE
    location (528, 848)
    label (object ItemLabel
        Parent_View @162
        location (316, 682)
        fill_color 13434879
        nlines 1
        max_width 424
        justify 0
        label
    "LoanBusinessProcess")
    stereotype (object ItemLabel
        Parent_View @162
        location (316, 637)
        fill_color 13434879
        anchor 10
        nlines 1
        max_width 424
        justify 0
        label "<<Interface>>")
        icon "Interface"
        icon_style "Label"
        line_color 3342489
        fill_color 13434879
        quidu "369E043303D6"
        compartment (object Compartment
            Parent_View @162
            location (316, 737)
            icon_style "Icon"
            fill_color 13434879
            anchor 2
            nlines 7
            max_width 315)
            width 442
            height 444
            annotation 8
            autoResize TRUE)
    (object UsesView "uses" @163
        label (object ItemLabel
            Parent_View @163
            location (990, 648)
            anchor_loc 1

```

```

        nlines      1
        max_width   450
        justify     0
        label       "uses")
stereotype  TRUE
line_color   3342489
quidu       "369E13F900BC"
client       @162
supplier    @154
vertices    (list Points
              (749, 751)
              (1008, 640)
              (1251, 640))
line_style   0
(object InheritView "" @164
stereotype  TRUE
line_color   3342489
quidu       "369E151C0273"
client       @162
supplier    @155
line_style   0)
(object AssociationViewNew "$UNNAMED$45"
@165
location    (564, 1233)
stereotype  TRUE
line_color   3342489
quidu       "369E27160158"
roleview_list (list RoleViews
               (object RoleView "$UNNAMED$46"
@166
Parent_View   @165
location     (-844, 1)
stereotype   TRUE
line_color   3342489
quidu       "369E271603CF"
client       @165
supplier    @162
line_style   0)
(object RoleView "$UNNAMED$47"
@167
Parent_View   @165
location     (-844, 1)
stereotype   TRUE
line_color   3342489
quidu       "369E271603D0"
client       @165
supplier    @157
line_style   0
label        (object SegLabel
@168
Parent_View   @167
location     (525, 1384)
anchor       2
anchor_loc   1
nlines       1
max_width   15
justify     0

```

```

                label          "1"
                pctDist      0.900000
                height       54
                orientation  1))))
(object ClassView "Class" "Logical
View::com::theorycenter::smart::financial::BankLoan" @169
    ShowCompartmentStereotypes  TRUE
    IncludeAttribute  TRUE
    IncludeOperation  TRUE
    location      (1440, 1056)
    label         (object ItemLabel
                    Parent_View  @169
                    location    (1320, 1030)
                    fill_color  13434879
                    nlines      1
                    max_width   240
                    justify     0
                    label       "BankLoan")
    stereotype   (object ItemLabel
                    Parent_View  @169
                    location    (1320, 985)
                    fill_color  13434879
                    anchor      10
                    nlines      1
                    max_width   237
                    justify     0
                    label       "<<Interface>>")
                    icon        "Interface"
                    icon_style  "Label"
                    line_color  3342489
                    fill_color  13434879
                    quidu      "369CE2A60308"
                    width       258
                    height      164
                    annotation  8
                    autoResize  TRUE)
(object UsesView "uses" @170
    label         (object ItemLabel
                    Parent_View  @170
                    location    (1030, 962)
                    anchor_loc  1
                    nlines      1
                    max_width   450
                    justify     0
                    label       "uses")
    stereotype   TRUE
    line_color   3342489
    quidu      "369E367A02DA"
    client      @162
    supplier    @169
    line_style   0)))
(object ClassDiagram "BankBusinessProcess"
    quid       "369E2170005E"
    title      "BankBusinessProcess"
    zoom       100
    max_height 28350
    max_width  21600

```

```

origin_x      0
origin_y      0
items          (list diagram_item_list
                  (object ClassView "Class" "Logical
View::com::theorycenter::smart::foundation::Task" @171
                  ShowCompartmentStereotypes      TRUE
                  IncludeAttribute    TRUE
                  IncludeOperation   TRUE
                  location          (1584, 208)
                  font              (object Font
                      italics          TRUE)
                  label              (object ItemLabel
                      Parent_View    @171
                      location        (1463, 156)
                      fill_color      13434879
                      nlines          1
                      max_width       242
                      justify          0
                      label            "Task")
                  stereotype        (object ItemLabel
                      Parent_View    @171
                      location        (1463, 111)
                      fill_color      13434879
                      anchor          10
                      nlines          1
                      max_width       240
                      justify          0
                      label            "<<interface>>")
                  icon              "interface"
                  icon_style       "Label"
                  line_color       3342489
                  fill_color       13434879
                  quidu            "369CE4660153"
                  width            260
                  height           216
                  annotation       8
                  autoResize       TRUE)
                  (object ClassView "Class" "Logical
View::com::theorycenter::smart::financial::BankAccount" @172
                  ShowCompartmentStereotypes      TRUE
                  IncludeAttribute    TRUE
                  IncludeOperation   TRUE
                  location          (848, 1344)
                  label              (object ItemLabel
                      Parent_View    @172
                      location        (714, 1318)
                      fill_color      13434879
                      nlines          1
                      max_width       268
                      justify          0
                      label            "BankAccount")
                  stereotype        (object ItemLabel
                      Parent_View    @172
                      location        (714, 1273)
                      fill_color      13434879
                      anchor          10
                      nlines          1

```

```

        max_width      268
        justify        0
        label          "<<interface>>")
        icon           "interface"
        icon_style    "Label"
        line_color    3342489
        fill_color    13434879
        quidu         "369CE2950245"
        width         286
        height        164
        annotation    8
        autoResize    TRUE)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::financial::Bank" @173
        ShowCompartmentStereotypes    TRUE
        IncludeAttribute   TRUE
        IncludeOperation   TRUE
        location         (528, 624)
        label            (object ItemLabel
            Parent_View   @173
            location     (309, 548)
            fill_color   13434879
            nlines       1
            max_width    438
            justify      0
            label         "Bank")
        stereotype   (object ItemLabel
            Parent_View   @173
            location     (309, 503)
            fill_color   13434879
            anchor       10
            nlines       1
            max_width    438
            justify      0
            label         "<<Interface>>")
            icon           "Interface"
            icon_style    "Label"
            line_color    3342489
            fill_color    13434879
            quidu         "369D04FA016A"
            compartment   (object Compartment
                Parent_View   @173
                location     (309, 603)
                icon_style   "Icon"
                fill_color   13434879
                anchor       2
                nlines       3
                max_width    435)
                width         456
                height        264
                annotation    8
                autoResize    TRUE)
        (object AssociationViewNew "$UNNAMED$9"
@174
        location     (698, 1008)
        stereotype   TRUE
        line_color   3342489

```

```

        quidu      "369D05D30392"
        roleview_list  (list RoleViews
                        (object RoleView "$UNNAMED$11"
@175
                        Parent_View      @174
                        location      (378, 352)
                        label        (object SegLabel
@176
                        Parent_View      @175
                        location      (751, 1228)
                        hidden        TRUE
                        anchor        1
                        anchor_loc    1
                        nlines        1
                        max_width    450
                        justify       0
                        label         ""
                        pctDist      0.800000
                        height        42
                        orientation   1)
                        stereotype   TRUE
                        line_color   3342489
                        quidu      "369D05D402EB"
                        client      @174
                        supplier    @172
                        line_style   0
                        label        (object SegLabel
@177
                        Parent_View      @175
                        location      (847, 1214)
                        anchor        2
                        anchor_loc    1
                        nlines        1
                        max_width    15
                        justify       0
                        label         "*"
                        pctDist      0.900000
                        height        54
                        orientation   0))
                        (object RoleView "$UNNAMED$10"
@178
                        Parent_View      @174
                        location      (378, 352)
                        label        (object SegLabel
@179
                        Parent_View      @178
                        location      (572, 824)
                        hidden        TRUE
                        anchor        1
                        anchor_loc    1
                        nlines        1
                        max_width    450
                        justify       0
                        label         ""
                        pctDist      0.800000
                        height        42
                        orientation   0)

```

```

        stereotype  TRUE
        line_color  3342489
        quidu      "369D05D402EA"
        client      @174
        supplier    @173
        line_style  0)))
(object ClassView "Class" "Logical
View::com::theorycenter::smart::financial::BankCustomer" @180
    ShowCompartmentStereotypes  TRUE
    IncludeAttribute  TRUE
    IncludeOperation  TRUE
    location      (336, 1344)
    label         (object ItemLabel
        Parent_View  @180
        location     (189, 1318)
        fill_color   13434879
        nlines       1
        max_width    294
        justify      0
        label        "BankCustomer")
    stereotype  (object ItemLabel
        Parent_View  @180
        location     (189, 1273)
        fill_color   13434879
        anchor       10
        nlines       1
        max_width    294
        justify      0
        label        "<<Interface>>")
    icon        "Interface"
    icon_style   "Label"
    line_color   3342489
    fill_color   13434879
    quidu      "369CE2B00063"
    width       312
    height      164
    annotation   8
    autoResize   TRUE)
(object AssociationViewNew "$UNNAMED$36"
@181
    location      (550, 1394)
    stereotype    TRUE
    line_color   3342489
    quidu      "369D361D021C"
    roleview_list (list RoleViews
        (object RoleView "$UNNAMED$38"
@182
        Parent_View      @181
        location        (166, 354)
        label          (object SegLabel
@183
        Parent_View      @182
        location        (494, 1424)
        hidden          TRUE
        anchor          1
        anchor_loc     1
        nlines          1

```

```

        max_width      450
        justify        0
        label          ""
        pctDist        0.800000
        height         42
        orientation    0)
stereotype  TRUE
line_color   3342489
quidu       "369D361E0105"
client       @181
supplier     @180
line_style   0)
(object RoleView "$UNNAMED$37"
@184
        Parent_View      @181
        location        (166, 354)
        label          (object SegLabel
@185
        Parent_View      @184
        location        (683, 1432)
        hidden          TRUE
        anchor          1
        anchor_loc     1
        nlines          1
        max_width      450
        justify         0
        label          ""
        pctDist        0.800000
        height         42
        orientation    1)
stereotype  TRUE
line_color   3342489
quidu       "369D361E00F1"
client       @181
supplier     @172
vertices     (list Points
        (550, 1394)
        (608, 1408)
        (704, 1382))
        line_style    0)))
(object AssociationViewNew "$UNNAMED$39"
@186
        location        (551, 1268)
        stereotype     TRUE
        line_color     3342489
        quidu         "369D36360069"
        roleview_list  (list RoleViews
        (object RoleView "$UNNAMED$41"
@187
        Parent_View      @186
        location        (-265, 212)
        label          (object SegLabel
@188
        Parent_View      @187
        location        (658, 1312)
        hidden          TRUE
        anchor          1

```

```

                anchor_loc      1
                nlines         1
                max_width     450
                justify        0
                label          ""
                pctDist        0.800000
                height         42
                orientation    1)
stereotype  TRUE
line_color   3342489
quidu       "369D3637002F"
client       @186
supplier     @172
vertices     (list Points
                (551, 1268)
                (608, 1248)
                (704, 1286))
line_style   0
label        (object SegLabel
@189
                Parent_View  @187
                location    (709, 1231)
                anchor      2
                anchor_loc  1
                nlines      1
                max_width   15
                justify     0
                label       "*"*
                pctDist     0.900000
                height      54
                orientation  0))
(object RoleView "$UNNAMED$40"
@190
                Parent_View  @186
                location    (-265, 212)
                label       (object SegLabel
@191
                Parent_View  @190
                location    (517, 1324)
                hidden      TRUE
                anchor      1
                anchor_loc  1
                nlines      1
                max_width   450
                justify     0
                label       ""
                pctDist     0.800000
                height      42
                orientation  0)
stereotype  TRUE
line_color   3342489
quidu       "369D3637002E"
client       @186
supplier     @180
line_style   0)))
(object AssociationViewNew "$UNNAMED$12"
@192

```

```

        location      (348, 954)
        stereotype   TRUE
        line_color   3342489
        quidu        "369D05D8006E"
        roleview_list (list RoleViews
                      (object RoleView "$UNNAMED$14"
@193
                      Parent_View      @192
                      location      (28, 298)
                      label        (object SegLabel
@194
                      Parent_View      @193
                      location      (371, 1196)
                      hidden        TRUE
                      anchor        1
                      anchor_loc    1
                      nlines        1
                      max_width    450
                      justify       0
                      label         ""
                      pctDist      0.800000
                      height        42
                      orientation   0)
                      stereotype   TRUE
                      line_color   3342489
                      quidu        "369D05D8030D"
                      client        @192
                      supplier      @180
                      vertices      (list Points
                                      (348, 954)
                                      (320, 1007)
                                      (332, 1261))
                      line_style    0
                      label        (object SegLabel
@195
                      Parent_View      @193
                      location      (277, 1232)
                      anchor        2
                      anchor_loc    1
                      nlines        1
                      max_width    15
                      justify       0
                      label         "*"
                      pctDist      0.900000
                      height        54
                      orientation   1))
                      (object RoleView "$UNNAMED$13"
@196
                      Parent_View      @192
                      location      (28, 298)
                      label        (object SegLabel
@197
                      Parent_View      @196
                      location      (471, 816)
                      hidden        TRUE
                      anchor        1
                      anchor_loc    1

```

```

        nlines      1
        max_width  450
        justify    0
        label      ""
        pctDist    0.800000
        height     42
        orientation 1)
        stereotype  TRUE
        line_color  3342489
        quidu      "369D05D80303"
        client      @192
        supplier    @173
        line_style  0)))
(object ClassView "Class" "Logical
View::com::theorycenter::smart::financial::BankBusinessProcess" @198
    ShowCompartmentStereotypes  TRUE
    IncludeAttribute  TRUE
    IncludeOperation  TRUE
    location      (1584, 624)
    label         (object ItemLabel
        Parent_View  @198
        location    (1351, 503)
        fill_color   13434879
        nlines      1
        max_width   466
        justify     0
        label
    "BankBusinessProcess")
    stereotype  (object ItemLabel
        Parent_View  @198
        location    (1351, 458)
        fill_color   13434879
        anchor      10
        nlines      1
        max_width   466
        justify     0
        label      "<<Interface>>")
    icon        "Interface"
    icon_style  "Label"
    line_color   3342489
    fill_color   13434879
    quidu      "369E0E6801DF"
    compartment  (object Compartment
        Parent_View  @198
        location    (1351, 558)
        icon_style  "Icon"
        fill_color   13434879
        anchor      2
        nlines      5
        max_width   462)
    width      484
    height     354
    annotation  8
    autoResize  TRUE)
(object InheritView "" @199
    stereotype  TRUE
    line_color  3342489

```

```

        quidu      "369E21320023"
        client     @198
        supplier   @171
        line_style 0)
(object UsesView "uses" @200
label      (object ItemLabel
    Parent_View  @200
    location     (1077, 1582)
    anchor_loc   1
    nlines       1
    max_width    450
    justify      0
    label        "uses")
stereotype  TRUE
line_color  3342489
quidu      "369E223E014B"
client     @198
supplier   @180
vertices   (list Points
    (1493, 801)
    (1102, 1582)
    (335, 1582)
    (335, 1426))
line_style  0)
(object UsesView "uses" @201
label      (object ItemLabel
    Parent_View  @201
    location     (1167, 1031)
    anchor_loc   1
    nlines       1
    max_width    450
    justify      0
    label        "uses")
stereotype  TRUE
line_color  3342489
quidu      "369E225102B0"
client     @198
supplier   @172
line_style  0)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::axiom::AlphaNumericSequencer" @202
ShowCompartmentStereotypes  TRUE
IncludeAttribute  TRUE
IncludeOperation  TRUE
location       (1904, 1184)
label         (object ItemLabel
    Parent_View  @202
    location     (1670, 1135)
    fill_color   13434879
    nlines       1
    max_width    468
    justify      0
    label
"AlphaNumericSequencer")
stereotype  (object ItemLabel
    Parent_View  @202
    location     (1670, 1090)

```

```

fill_color      13434879
anchor         10
nlines          1
max_width      468
justify         0
label           "<<interface>>")
icon            "interface"
icon_style     "Label"
line_color     3342489
fill_color     13434879
quidu          "369CD44B00A0"
width           486
height          210
annotation      8
autoResize     TRUE)
(object AssociationViewNew "$UNNAMED$48"
@203
location      (1764, 939)
stereotype    TRUE
line_color     3342489
quidu          "369E285803BE"
roleview_list  (list RoleViews
    (object RoleView "$UNNAMED$49"
@204
Parent_View     @203
location      (180, 315)
stereotype    TRUE
line_color     3342489
quidu          "369E28590170"
client          @203
supplier        @202
line_style     0)
(object RoleView "$UNNAMED$50"
@205
Parent_View     @203
location      (180, 315)
stereotype    TRUE
line_color     3342489
quidu          "369E2859017A"
client          @203
supplier        @198
line_style     0)))
(object UsesView "uses" @206
label           (object ItemLabel
    Parent_View     @206
    location      (1048, 624)
    anchor_loc    1
    nlines         1
    max_width     450
    justify        0
    label          "uses")
    stereotype    TRUE
    line_color     3342489
    quidu          "369E2E7A02CB"
    client          @198
    supplier        @173
    line_style     0)))))

```

```

(object Class_Category "pattern"
    quid      "369CADE100C8"
    documentation "These are the design patterns
used in the Business Smart Component family. This package is mainly used for
documentation"
        exportControl      "Public"
        logical_models    (list unit_reference_list
            (object Class "TaskImpl"
                quid      "369CF63C009B"
                documentation
|The dotted arrow means that we code the Task interface, without using
"implements" . This is done, because the EJB spec discourages using "implements"
in this situation. This allows for a more loosely coupled binding between
interface and impl, thus giving the container more freedom on how to do things.
Also, Task extends EJBObject, and we cannot both extend EJBObject and implement
SessionBean at the same time!.
        superclasses      (list
inheritance_relationship_list
            (object Inheritance_Relationship
                quid      "369CF8AF0241"
                label     "implements"
                supplier  "Logical
View::javax::ejb::SessionBean"
                quidu      "369CF78E02B3"))
            used_nodes  (list uses_relationship_list
                (object Uses_Relationship
                    quid      "369CF6C102AF"
                    label     "implements"
                    supplier  "Logical
View::com::theorycenter::smart::foundation::Task"
                quidu      "369CE4660153"))))
            logical_presentations (list unit_reference_list
                (object ClassDiagram "Command"
                    quid      "369CF61000D3"
                    title     "Command"
                    zoom      100
                    max_height 28350
                    max_width  21600
                    origin_x   0
                    origin_y   0
                    items      (list diagram_item_list
                        (object ClassView "Class" "Logical
View::com::theorycenter::smart::foundation::Task" @207
                            ShowCompartmentStereotypes  TRUE
                            IncludeAttribute  TRUE
                            IncludeOperation  TRUE
                            location      (544, 480)
                            font          (object Font
                                italics      TRUE)
                            label        (object ItemLabel
                                Parent_View  @207
                                location     (423, 429)
                                fill_color   13434879
                                nlines      1
                                max_width   242
                                justify     0

```

```

        label          "Task")
stereotype  (object ItemLabel
    Parent_View  @207
    location     (423, 384)
    fill_color   13434879
    anchor       10
    nlines       1
    max_width   242
    justify      0
    label        "<<interface>>")
    icon          "interface"
    icon_style   "Label"
    line_color   3342489
    fill_color   13434879
    quidu        "369CE4660153"
    width        260
    height       216
    annotation   8
    autoResize   TRUE)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::pattern::TaskImpl" @208
    ShowCompartmentStereotypes   TRUE
    IncludeAttribute   TRUE
    IncludeOperation   TRUE
    location        (544, 928)
    label          (object ItemLabel
        Parent_View  @208
        location     (425, 882)
        fill_color   13434879
        nlines       1
        max_width   238
        justify      0
        label        "TaskImpl")
    icon_style   "Icon"
    line_color   3342489
    fill_color   13434879
    quidu        "369CF63C009B"
    width        256
    height       114
    annotation   8
    autoResize   TRUE)
(object ClassView "Class" "Logical
View::javax::ejb::SessionBean" @209
    ShowCompartmentStereotypes   TRUE
    IncludeAttribute   TRUE
    IncludeOperation   TRUE
    location        (1056, 480)
    label          (object ItemLabel
        Parent_View  @209
        location     (923, 431)
        fill_color   13434879
        nlines       1
        max_width   266
        justify      0
        label        "SessionBean")
    stereotype  (object ItemLabel
        Parent_View  @209

```

```

        location      (923, 386)
        fill_color   13434879
        anchor       10
        nlines       1
        max_width    266
        justify      0
        label        "<<Interface>>")
        icon         "Interface"
        icon_style   "Label"
        line_color   3342489
        fill_color   13434879
        quidu        "369CF78E02B3"
        width        284
        height       210
        annotation   8
        autoResize   TRUE)
(object InheritView "implements" @210
    label      (object ItemLabel
        Parent_View  @210
        location    (951, 800)
        anchor_loc  1
        nlines      1
        max_width   450
        justify     0
        label       "implements")
        stereotype  TRUE
        line_color  3342489
        quidu      "369CF8AF0241"
        client      @208
        supplier    @209
        vertices    (list Points
            (672, 887)
            (1055, 768)
            (1055, 585))
        line_style  0)
(object UsesView "implements" @211
    label      (object ItemLabel
        Parent_View  @211
        location    (544, 729)
        anchor_loc  1
        nlines      1
        max_width   204
        justify     0
        label       "implements")
        stereotype  TRUE
        line_color  3342489
        quidu      "369CF6C102AF"
        client      @208
        supplier    @207
        line_style  0)))
(object ClassDiagram "Abstract Factory"
    quid      "369DF3F80093"
    title     "Abstract Factory"
    documentation "We use the Abstract
Factory pattern together with other patterns (like Chain of Responsability) to
create the SmartHome"
    zoom      100

```

```

max_height 28350
max_width 21600
origin_x 0
origin_y 0
items (list diagram_item_list
       (object ClassView "Class" "Logical
View::javax::ejb::EJBHome" @212
       ShowCompartmentStereotypes TRUE
       IncludeAttribute TRUE
       IncludeOperation TRUE
       location (896, 400)
       font (object Font
              italics TRUE)
       label (object ItemLabel
              Parent_View @212
              location (775, 348)
              fill_color 13434879
              nlines 1
              max_width 242
              justify 0
              label "EJBHome")
       stereotype (object ItemLabel
              Parent_View @212
              location (775, 303)
              fill_color 13434879
              anchor 10
              nlines 1
              max_width 240
              justify 0
              label "<<interface>>")
       icon "interface"
       icon_style "Label"
       line_color 3342489
       fill_color 13434879
       quidu "369CF4B202BB"
       width 260
       height 218
       annotation 8
       autoResize TRUE)
       (object ClassView "Class" "Logical
View::com::theorycenter::smart::foundation::SmartHome" @213
       ShowCompartmentStereotypes TRUE
       IncludeAttribute TRUE
       IncludeOperation TRUE
       location (896, 768)
       font (object Font
              italics TRUE)
       label (object ItemLabel
              Parent_View @213
              location (768, 716)
              fill_color 13434879
              nlines 1
              max_width 256
              justify 0
              label "SmartHome")
       stereotype (object ItemLabel
              Parent_View @213

```

```

        location      (768, 671)
        fill_color   13434879
        anchor       10
        nlines       1
        max_width   256
        justify      0
        label        "<<interface>>")
        icon         "interface"
        icon_style   "Label"
        line_color   3342489
        fill_color   13434879
        quidu        "369CF4D3018C"
        width        274
        height       218
        annotation   8
        autoResize   TRUE)
    (object InheritView "" @214
        stereotype   TRUE
        line_color   3342489
        quidu        "369CF4E2036E"
        client        @213
        supplier      @212
        line_style   0)))
    (object ClassDiagram "LifeCycle"
        quid         "369DF4DE0382"
        title        "LifeCycle"
        zoom         100
        max_height  28350
        max_width   21600
        origin_x    0
        origin_y    0
        items        (list diagram_item_list))
    (object ClassDiagram "Strategy"
        quid         "369DF4F9031D"
        title        "Strategy"
        zoom         100
        max_height  28350
        max_width   21600
        origin_x    0
        origin_y    0
        items        (list diagram_item_list))
    (object ClassDiagram "ObjectRelationship"
        quid         "369E1D4E0356"
        title        "ObjectRelationship"
        zoom         100
        max_height  28350
        max_width   21600
        origin_x    0
        origin_y    0
        items        (list diagram_item_list)
        (object NoteView @215
            location      (816, 672)
            label         (object ItemLabel
                Parent_View  @215
                location      (223, 158)
                fill_color   13434879
                nlines       22

```

```

max_width      1150
label

| An object X has a collection of objects Y by ownership. (black diamond
| relationship) [note that Y can be owned by either reference or value].
| We will automatically generate methods for object X to create instances of Y.
Example:

Class ObjectX .... {

public Y createY(YKey ykey) {

    // go to Yhome
    // create newY by primary key using ykey
    // add new object by calling this.addY(newY)
    // return newY
}

public Y deleteY(Ykey ykey) {

    // delete from collection first
    this.deleteY(ykey)
    //destroy object by calling delete() on its home.
    // Yhome destroys object
}

public void addY(Y newY);

// see BankMain diagram
}

line_color 3342489
fill_color 13434879
width      1210
height     1040)
(object NoteView @216
location   (1232, 1856)
label      (object ItemLabel
    Parent_View  @216
    location    (489, 1412)
    fill_color  13434879
    nlines      19
    max_width   1450
    label

| A collection can be of many types, such as set, list, map, etc. For starters, all
| of our collections will be lists
|
| For each collection that an object owns, we will automatically generate the
| following methods:
|
| [assume that we have a collection of "Foo"]

getAllFoo();           // returns the list
}

```

```

|<FILL IN!!>
)
line_color 3342489
fill_color 13434879
width      1510
height     900)))))

(object Class_Category "security"
  quid      "369CFAE902B8"
  exportControl "Public"
  logical_models (list unit_reference_list
    (object Class "Login"
      quid      "369CFB7D010D"
      documentation "Used to validate a
userid/password combination. Needs to know where to find the user object "
      stereotype "Interface"
      used_nodes (list uses_relationship_list
        (object Uses_Relationship
          quid      "369CFFF70074"
          label     "Uses"
          supplier  "Logical
View::com::theorycenter::smart::security::SystemUser"
          quidu     "369CFFEA10299"))
      operations (list Operations
        (object Operation "Validate"
          quid      "369CFF6F035E"
          result    "Boolean"
          concurrency "Sequential"
          opExportControl "Public"
          uid       0)))
      (object Class "SystemUser"
        quid      "369CFFEA10299"
        stereotype "Interface"
        class_attributes (list class_attribute_list
          (object ClassAttribute "UserId"
            quid      "369CFF120364"
            type     "String"
            exportControl "Public")
          (object ClassAttribute "Password"
            quid      "369CFF3301A9"
            type     "String"
            exportControl "Public"))))
      logical_presentations (list unit_reference_list
        (object ClassDiagram "Main"
          quid      "369CFB5800B9"
          title    "Main"
          zoom     100
          max_height 28350
          max_width  21600
          origin_x   0
          origin_y   0
          items     (list diagram_item_list
            (object ClassView "Class" "Logical
View::com::theorycenter::smart::security::Login" @217
              ShowCompartmentStereotypes  TRUE
              IncludeAttribute  TRUE
              IncludeOperation  TRUE
              location     (384, 464)

```

```

label      (object ItemLabel
  Parent_View  @217
  location    (264, 411)
  fill_color  13434879
  nlines      1
  max_width   240
  justify     0
  label       "Login")
stereotype (object ItemLabel
  Parent_View  @217
  location    (264, 366)
  fill_color  13434879
  anchor      10
  nlines      1
  max_width   240
  justify     0
  label       "<<Interface>>")
  icon        "Interface"
  icon_style  "Label"
  line_color  3342489
  fill_color  13434879
  quidu      "369CFB7D010D"
  width       258
  height      218
  annotation  8
  autoResize  TRUE)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::security::SystemUser" @218
  ShowCompartmentStereotypes  TRUE
  IncludeAttribute  TRUE
  IncludeOperation  TRUE
  location        (1120, 464)
  label      (object ItemLabel
    Parent_View  @218
    location    (914, 375)
    fill_color  13434879
    nlines      1
    max_width   412
    justify     0
    label       "SystemUser")
  stereotype (object ItemLabel
    Parent_View  @218
    location    (914, 330)
    fill_color  13434879
    anchor      10
    nlines      1
    max_width   412
    justify     0
    label       "<<Interface>>")
    icon        "Interface"
    icon_style  "Label"
    line_color  3342489
    fill_color  13434879
    quidu      "369CFEA10299"
    width       430
    height      290
    annotation  8

```

```

        autoResize  TRUE)
(object UsesView "Uses" @219
  label      (object ItemLabel
    Parent_View  @219
    location    (708, 464)
    anchor_loc  1
    nlines      1
    max_width   450
    justify     0
    label       "Uses")
  stereotype  TRUE
  line_color  3342489
  quidu      "369CFFF70074"
  client      @217
  supplier    @218
  line_style  0))))))
logical_presentations (list unit_reference_list
  (object ClassDiagram "Main"
    quid      "369CB09801AD"
    title     "Main"
    documentation "This is a high-level diagram of
the different packages and how they relate to each other"
    zoom      100
    max_height 28350
    max_width  21600
    origin_x   1937
    origin_y   0
    items      (list diagram_item_list
      (object CategoryView "Logical
View::com::theorycenter::smart::axiom" @220
        location  (704, 752)
        label      (object ItemLabel
          Parent_View  @220
          location    (560, 668)
          fill_color  13434879
          nlines      2
          max_width   288
          justify     0
          label       "axiom")
          icon_style  "Icon"
          line_color  3342489
          fill_color  13434879
          quidu      "369CAE2E01A5"
          width      300
          height     180)
        (object CategoryView "Logical
View::com::theorycenter::smart::financial" @221
        location  (1648, 1024)
        label      (object ItemLabel
          Parent_View  @221
          location    (1504, 940)
          fill_color  13434879
          nlines      2
          max_width   288
          justify     0
          label       "financial")
          icon_style  "Icon"

```

```

        line_color 3342489
        fill_color 13434879
        quidu      "369CAE47006A"
        width      300
        height     180)
    (object CategoryView "Logical
View::com::theorycenter::smart::foundation" @222
        location      (1024, 224)
        label        (object ItemLabel
            Parent_View @222
            location      (880, 140)
            fill_color    13434879
            nlines       2
            max_width    288
            justify      0
            label        "foundation")
            icon_style   "Icon"
            line_color   3342489
            fill_color   13434879
            quidu       "369CADC800CC"
            width       300
            height      180)
    (object CategoryView "Logical
View::com::theorycenter::smart::pattern" @223
        location      (304, 1328)
        label        (object ItemLabel
            Parent_View @223
            location      (160, 1244)
            fill_color    13434879
            nlines       2
            max_width    288
            justify      0
            label        "pattern")
            icon_style   "Icon"
            line_color   3342489
            fill_color   13434879
            quidu       "369CADE100C8"
            width       300
            height      180)
    (object ImportView "" @224
        stereotype   TRUE
        line_color   3342489
        quidu       "369CB0F90211"
        client      @221
        supplier    @220
        vertices    (list Points
            (1497, 1023)
            (703, 1023)
            (703, 842))
        line_style   0)
    (object ImportView "" @225
        stereotype   TRUE
        line_color   3342489
        quidu       "369CB13D022D"
        client      @221
        supplier    @222
        vertices    (list Points

```

```

(1648, 879)
(1648, 320)
(1174, 246))
line_style 0)
(object ImportView "" @226
  stereotype TRUE
  line_color 3342489
  quidu "369CB0E5030D"
  client @220
  supplier @222
  vertices (list Points
    (703, 607)
    (703, 335)
    (873, 275))
  line_style 0))))
(object Class_Category "loanCenter"
  quid "369E2C920355"
  documentation "This is the Self-Service Loan Center
Demo application. It shows how to quickly build a business application using
Theory's Business Smart Components"
  exportControl "Public"
  logical_models (list unit_reference_list
    (object Class "LoanCenterApp"
      quid "369E2CE4006E"
      used_nodes (list uses_relationship_list
        (object Uses_Relationship
          quid "369E30160241"
          label "uses"
          supplier "Logical
View::com::theorycenter::smart::financial::BankCustomer"
          quidu "369CE2B00063")))
      (object Association "TheoryBusinessProcess"
        quid "369E2E07009F"
        roles (list role_list
          (object Role "$UNNAMED$51"
            quid "369E2E070289"
            supplier "Logical
View::com::theorycenter::loanCenter::LoanCenterApp"
            quidu "369E2CE4006E"
            is_navigable TRUE
            is_aggregate TRUE)
          (object Role "$UNNAMED$52"
            quid "369E2E07028A"
            supplier "Logical
View::com::theorycenter::smart::financial::BankBusinessProcess"
            quidu "369E0E6801DF"
            is_navigable TRUE)))
      (object Association "TheoryBank"
        quid "369E2E0A00AD"
        roles (list role_list
          (object Role "$UNNAMED$53"
            quid "369E2E0A0229"
            supplier "Logical
View::com::theorycenter::loanCenter::LoanCenterApp"
            quidu "369E2CE4006E"
            is_navigable TRUE
            is_aggregate TRUE)

```

```

        (object Role "$UNNAMED$54"
            quid      "369E2E0A0233"
            supplier  "Logical
View::com::theorycenter::smart::financial::Bank"
            quidu     "369D04FA016A"
            is_navigable  TRUE)))
        (object Association "TheoryWorkflow"
            quid      "369E2E0C01BE"
            roles    (list role_list
                (object Role "$UNNAMED$55"
                    quid      "369E2E0C03D1"
                    supplier  "Logical
View::com::theorycenter::loanCenter::LoanCenterApp"
                    quidu     "369E2CE4006E"
                    is_navigable  TRUE
                    is_aggregate  TRUE)
                (object Role "$UNNAMED$56"
                    quid      "369E2E0C03D2"
                    supplier  "Logical
View::com::theorycenter::smart::axiom::Workflow"
                    quidu     "369DF631002D"
                    is_navigable  TRUE)))
        (object Association "TheoryLoanProcess"
            quid      "369E2E0E02D9"
            roles    (list role_list
                (object Role "$UNNAMED$57"
                    quid      "369E2E0F0104"
                    supplier  "Logical
View::com::theorycenter::loanCenter::LoanCenterApp"
                    quidu     "369E2CE4006E"
                    is_navigable  TRUE
                    is_aggregate  TRUE)
                (object Role "$UNNAMED$58"
                    quid      "369E2E0F0105"
                    supplier  "Logical
View::com::theorycenter::smart::financial::LoanBusinessProcess"
                    quidu     "369E043303D6"
                    is_navigable  TRUE)))
        logical_presentations (list unit_reference_list
            (object ClassDiagram "loanCenterMain"
                quid      "369E2CD6010E"
                title     "loanCenterMain"
                zoom      100
                max_height 28350
                max_width  21600
                origin_x   0
                origin_y   0
                items     (list diagram_item_list
                    (object ClassView "Class" "Logical
View::com::theorycenter::smart::axiom::Workflow" @227
                        ShowCompartmentStereotypes  TRUE
                        IncludeAttribute  TRUE
                        IncludeOperation  TRUE
                        location     (2480, 288)
                        label       (object ItemLabel
                            Parent_View  @227
                            location    (2360, 239)

```

```

fill_color      13434879
nlines         1
max_width     240
justify        0
label          "Workflow")
stereotype    (object ItemLabel
    Parent_View @227
    location    (2360, 194)
    fill_color  13434879
    anchor      10
    nlines      1
    max_width   237
    justify     0
    label       "<<Interface>>")
    icon        "Interface"
    icon_style  "Label"
    line_color  3342489
    fill_color  13434879
    quidu       "369DF631002D"
    width       258
    height      210
    annotation  8
    autoResize  TRUE)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::financial::LoanBusinessProcess" @228
    ShowCompartmentStereotypes  TRUE
    IncludeAttribute  TRUE
    IncludeOperation  TRUE
    location        (2576, 1024)
    label          (object ItemLabel
        Parent_View @228
        location      (2364, 835)
        fill_color    13434879
        nlines       1
        max_width    424
        justify      0
        label        "LoanBusinessProcess")
    stereotype    (object ItemLabel
        Parent_View @228
        location      (2364, 790)
        fill_color    13434879
        anchor       10
        nlines       1
        max_width    424
        justify      0
        label        "<<Interface>>")
        icon        "Interface"
        icon_style  "Label"
        line_color  3342489
        fill_color  13434879
        quidu       "369E043303D6"
        compartment  (object Compartment
            Parent_View @228
            location      (2364, 937)
            icon_style   "Icon"
            fill_color   13434879
            anchor      2

```

```

        nlines      7
        max_width  315)
    width      442
    height     490
    annotation 8
    autoResize TRUE)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::financial::BankBusinessProcess" @229
    ShowCompartmentStereotypes    TRUE
    IncludeAttribute   TRUE
    IncludeOperation   TRUE
    location      (304, 1072)
    label         (object ItemLabel
        Parent_View  @229
        location     (72, 928)
        fill_color   13434879
        nlines       1
        max_width    464
        justify      0
        label        "BankBusinessProcess")
    stereotype   (object ItemLabel
        Parent_View  @229
        location     (72, 883)
        fill_color   13434879
        anchor       10
        nlines       1
        max_width    464
        justify      0
        label        "<<Interface>>")
    icon        "Interface"
    icon_style  "Label"
    line_color   3342489
    fill_color   13434879
    quidu       "369E0E6801DF"
    compartment  (object Compartment
        Parent_View  @229
        location     (72, 1030)
        icon_style   "Icon"
        fill_color   13434879
        anchor       2
        nlines       5
        max_width    462)
    width      482
    height     400
    annotation 8
    autoResize TRUE)
(object ClassView "Class" "Logical
View::com::theorycenter::loanCenter::LoanCenterApp" @230
    ShowCompartmentStereotypes    TRUE
    IncludeAttribute   TRUE
    IncludeOperation   TRUE
    location      (1328, 272)
    label         (object ItemLabel
        Parent_View  @230
        location     (1167, 198)
        fill_color   13434879
        nlines       1

```

```

        max_width      322
        justify        0
        label          "LoanCenterApp")
    icon_style    "Icon"
    line_color    3342489
    fill_color    13434879
    quidu         "369E2CE4006E"
    width         340
    height        170
    annotation    8
    autoResize    TRUE)
(object AssociationViewNew "TheoryWorkflow"
@231
    location      (1924, 280)
    label         (object SegLabel @232
        Parent_View  @231
        location     (1924, 221)
        font          (object Font
            italics    TRUE)
        anchor       1
        anchor_loc   1
        nlines       1
        max_width    288
        justify      0
        label         "TheoryWorkflow"
        pctDist      0.500000
        height       60
        orientation   0)
        stereotype   TRUE
        line_color   3342489
        quidu        "369E2E0C01BE"
        roleview_list (list RoleViews
            (object RoleView "$UNNAMED$55" @233
                Parent_View  @231
                location     (388, -616)
                stereotype   TRUE
                line_color   3342489
                quidu        "369E2E0C03D1"
                client       @231
                supplier     @230
                line_style   0)
            (object RoleView "$UNNAMED$56" @234
                Parent_View  @231
                location     (388, -616)
                stereotype   TRUE
                line_color   3342489
                quidu        "369E2E0C03D2"
                client       @231
                supplier     @227
                line_style   0)))
    (object AssociationViewNew "TheoryLoanProcess"
@235
    location      (1945, 569)
    label         (object SegLabel @236
        Parent_View  @235
        location     (2041, 510)
        font          (object Font

```

```

            italics      TRUE)
            anchor      1
            anchor_loc  1
            nlines      1
            max_width   360
            justify     0
            label        "TheoryLoanProcess"
            pctDist     2.116667
            height      60
            orientation  0)
stereotype  TRUE
line_color   3342489
quidu       "369E2E0E02D9"
roleview_list (list RoleViews
    (object RoleView "$UNNAMED$57" @237
        Parent_View      @235
        location        (-55, -407)
        stereotype      TRUE
        line_color      3342489
        quidu          "369E2E0F0104"
        client          @235
        supplier        @230
        vertices        (list Points
            (1945, 569)
            (1822, 480)
            (1498, 343))
        line_style      0)
    (object RoleView "$UNNAMED$58" @238
        Parent_View      @235
        location        (-55, -407)
        stereotype      TRUE
        line_color      3342489
        quidu          "369E2E0F0105"
        client          @235
        supplier        @228
        line_style      0)))
(object AssociationViewNew
    "TheoryBusinessProcess" @239
        location      (881, 620)
        label        (object SegLabel @240
            Parent_View    @239
            location      (813, 686)
            font          (object Font
                italics      TRUE)
            anchor      1
            anchor_loc  1
            nlines      1
            max_width   444
            justify     0
            label        "TheoryBusinessProcess"
            pctDist     -0.650000
            height      66
            orientation  1)
            stereotype  TRUE
            line_color   3342489
            quidu       "369E2E07009F"
            roleview_list (list RoleViews

```

```

(object RoleView "$UNNAMED$52" @241
  Parent_View @239
  location (-79, 380)
  label (object SegLabel @242
    Parent_View @241
    location (587, 798)
    hidden TRUE
    anchor 1
    anchor_loc 1
    nlines 1
    max_width 450
    justify 0
    label ""
    pctDist 0.800000
    height 42
    orientation 1)
  stereotype TRUE
  line_color 3342489
  quidu "369E2E07028A"
  client @239
  supplier @229
  line_style 0)
(object RoleView "$UNNAMED$51" @243
  Parent_View @239
  location (-79, 380)
  label (object SegLabel @244
    Parent_View @243
    location (1125, 378)
    hidden TRUE
    anchor 1
    anchor_loc 1
    nlines 1
    max_width 450
    justify 0
    label ""
    pctDist 0.800000
    height 42
    orientation 0)
  stereotype TRUE
  line_color 3342489
  quidu "369E2E070289"
  client @239
  supplier @230
  line_style 0)))
(object ClassView "Class" "Logical
View::com::theorycenter::smart::financial::Bank" @245
  ShowCompartmentStereotypes TRUE
  IncludeAttribute TRUE
  IncludeOperation TRUE
  location (1072, 1104)
  label (object ItemLabel
    Parent_View @245
    location (853, 1005)
    fill_color 13434879
    nlines 1
    max_width 438
    justify 0
  )
)

```

```

        label          "Bank")
stereotype  (object ItemLabel
        Parent_View  @245
        location    (853, 960)
        fill_color  13434879
        anchor      10
        nlines      1
        max_width   438
        justify     0
        label        "<<Interface>>")
        icon         "Interface"
        icon_style   "Label"
        line_color   3342489
        fill_color   13434879
        quidu        "369D04FA016A"
        compartment   (object Compartment
        Parent_View  @245
        location    (853, 1107)
        icon_style   "Icon"
        fill_color   13434879
        anchor      2
        nlines      3
        max_width   435)
        width        456
        height       310
        annotation   8
        autoResize   TRUE)
(object AssociationViewNew "TheoryBank" @246
        location    (1210, 652)
        label        (object SegLabel @247
        Parent_View  @246
        location    (1210, 593)
        font         (object Font
        italics      TRUE)
        anchor      1
        anchor_loc  1
        nlines      1
        max_width   216
        justify     0
        label        "TheoryBank"
        pctDist     0.500000
        height       60
        orientation  0)
        stereotype   TRUE
        line_color   3342489
        quidu        "369E2E0A00AD"
        roleview_list (list RoleViews
        (object RoleView "$UNNAMED$54" @248
        Parent_View  @246
        location    (250, 412)
        label        (object SegLabel @249
        Parent_View  @248
        location    (1099, 877)
        hidden      TRUE
        anchor      1
        anchor_loc  1
        nlines      1

```

```

        max_width      450
        justify        0
        label          ""
        pctDist        0.800000
        height         42
        orientation    1)
        stereotype    TRUE
        line_color    3342489
        quidu        "369E2E0A0233"
        client        @246
        supplier      @245
        line_style    0)
        (object RoleView "$UNNAMED$53" @250
            Parent_View    @246
            location      (250, 412)
            label          (object SegLabel @251
                Parent_View  @250
                location      (1244, 405)
                hidden        TRUE
                anchor        1
                anchor_loc    1
                nlines        1
                max_width    450
                justify       0
                label          ""
                pctDist        0.800000
                height         42
                orientation    0)
                stereotype    TRUE
                line_color    3342489
                quidu        "369E2E0A0229"
                client        @246
                supplier      @230
                line_style    0)))
        (object ClassView "Class" "Logical
View::com::theorycenter::smart::financial::BankCustomer" @252
            ShowCompartmentStereotypes  TRUE
            IncludeAttribute  TRUE
            IncludeOperation  TRUE
            location        (1648, 1744)
            label          (object ItemLabel
                Parent_View    @252
                location      (1502, 1695)
                fill_color    13434879
                nlines        1
                max_width    292
                justify       0
                label          "BankCustomer")
            stereotype  (object ItemLabel
                Parent_View    @252
                location      (1502, 1650)
                fill_color    13434879
                anchor        10
                nlines        1
                max_width    292
                justify       0
                label          "<<Interface>>")

```

```

icon      "Interface"
icon_style "Label"
line_color 3342489
fill_color 13434879
quidu     "369CE2B00063"
width     310
height    210
annotation 8
autoResize TRUE)
(object AssociationViewNew "$UNNAMED$12" @253
  location (1381, 1448)
  stereotype TRUE
  line_color 3342489
  quidu     "369D05D8006E"
  roleview_list (list RoleViews
    (object RoleView "$UNNAMED$14" @254
      Parent_View @253
      location (101, 72)
      label (object SegLabel @255
        Parent_View @254
        location (1549, 1573)
        hidden TRUE
        anchor 1
        anchor_loc 1
        nlines 1
        max_width 450
        justify 0
        label ""
        pctDist 0.800000
        height 42
        orientation 0)
      stereotype TRUE
      line_color 3342489
      quidu     "369D05D8030D"
      client    @253
      supplier  @252
      line_style 0
      label (object SegLabel @256
        Parent_View @254
        location (1496, 1655)
        anchor 2
        anchor_loc 1
        nlines 1
        max_width 15
        justify 0
        label "**"
        pctDist 0.900000
        height 54
        orientation 1))
    (object RoleView "$UNNAMED$13" @257
      Parent_View @253
      location (101, 72)
      label (object SegLabel @258
        Parent_View @257
        location (1277, 1271)
        hidden TRUE
        anchor 1

```

```

            anchor_loc      1
            nlines         1
            max_width     450
            justify        0
            label          ""
            pctDist       0.800000
            height         42
            orientation   1)
            stereotype   TRUE
            line_color   3342489
            quidu        "369D05D80303"
            client        @253
            supplier      @245
            line_style   0)))
(object UsesView "uses" @259
    label      (object ItemLabel
        Parent_View  @259
        location    (1608, 977)
        anchor_loc  1
        nlines      1
        max_width   450
        justify     0
        label       "uses")
        stereotype  TRUE
        line_color  3342489
        quidu      "369E30160241"
        client      @230
        supplier    @252
        vertices    (list Points
            (1361, 357)
            (1632, 1037)
            (1645, 1638))
        line_style  0)
    (object ClassView "Class" "Logical
View::com::theorycenter::smart::financial::CustomerMessage" @260
    ShowCompartmentStereotypes  TRUE
    IncludeAttribute  TRUE
    IncludeOperation  TRUE
    location        (1648, 2128)
    label      (object ItemLabel
        Parent_View  @260
        location    (1468, 2079)
        fill_color  13434879
        nlines      1
        max_width   360
        justify     0
        label       "CustomerMessage")
    stereotype  (object ItemLabel
        Parent_View  @260
        location    (1468, 2034)
        fill_color  13434879
        anchor      10
        nlines      1
        max_width   360
        justify     0
        label       "<<Interface>>")
    icon        "Interface"

```

```

icon_style  "Label"
line_color  3342489
fill_color  13434879
quidu      "369CE2C401DE"
width       378
height      210
annotation  8
autoResize  TRUE)
(object AssociationViewNew "$UNNAMED$21" @261
  location      (1648, 1935)
  stereotype    TRUE
  line_color   3342489
  quidu       "369D0D8203A5"
  roleview_list (list RoleViews
    (object RoleView "$UNNAMED$23" @262
      Parent_View      @261
      location      (16, -65)
      label        (object SegLabel @263
        Parent_View    @262
        location      (1607, 2004)
        hidden        TRUE
        anchor        1
        anchor_loc    1
        nlines        1
        max_width    450
        justify       0
        label         ""
        pctDist      0.800000
        height        42
        orientation   1)
      stereotype    TRUE
      line_color   3342489
      quidu       "369D0D83023E"
      client       @261
      supplier     @260
      line_style   0
      label        (object SegLabel @264
        Parent_View    @262
        location      (1702, 2013)
        anchor        2
        anchor_loc    1
        nlines        1
        max_width    15
        justify       0
        label         "0..*"
        pctDist      0.900000
        height        54
        orientation   0))
    (object RoleView "$UNNAMED$22" @265
      Parent_View      @261
      location      (16, -65)
      label        (object SegLabel @266
        Parent_View    @265
        location      (1607, 1866)
        hidden        TRUE
        anchor        1
        anchor_loc    1

```

```

        nlines      1
        max_width   450
        justify     0
        label       ""
        pctDist    0.800000
        height     42
        orientation 0)
stereotype  TRUE
line_color  3342489
quidu      "369D0D830234"
client      @261
supplier    @252
line_style  0)))
(object UsesView "uses" @267
label      (object ItemLabel
            Parent_View @267
            location   (694, 1088)
            anchor_loc 1
            nlines     1
            max_width   84
            justify     0
            label      "uses")
stereotype  TRUE
line_color  3342489
quidu      "369E2E7A02CB"
client      @229
supplier    @245
line_style  0)
(object UsesView "uses" @268
label      (object ItemLabel
            Parent_View @268
            location   (668, 1756)
            anchor_loc 1
            nlines     1
            max_width   84
            justify     0
            label      "uses")
stereotype  TRUE
line_color  3342489
quidu      "369E223E014B"
client      @229
supplier    @252
vertices    (list Points
            (312, 1272)
            (335, 1760)
            (1492, 1745))
            line_style  0)
(object ClassView "Class" "Logical
View::com::theorycenter::smart::financial::BankLoan" @269
ShowCompartmentStereotypes   TRUE
IncludeAttribute  TRUE
IncludeOperation  TRUE
location      (2512, 2096)
label        (object ItemLabel
            Parent_View @269
            location   (2392, 2047)
            fill_color  13434879

```

```

        nlines      1
        max_width   240
        justify     0
        label       "BankLoan")
stereotype  (object ItemLabel
    Parent_View  @269
    location     (2392, 2002)
    fill_color   13434879
    anchor      10
    nlines      1
    max_width   237
    justify     0
    label       "<<Interface>>")
    icon        "Interface"
    icon_style  "Label"
    line_color   3342489
    fill_color   13434879
    quidu       "369CE2A60308"
    width       258
    height      210
    annotation   8
    autoResize  TRUE)
(object UsesView "uses" @270
    label      (object ItemLabel
        Parent_View  @270
        location     (2215, 1600)
        anchor_loc  1
        nlines      1
        max_width   84
        justify     0
        label       "uses")
    stereotype  TRUE
    line_color   3342489
    quidu       "369E13F900BC"
    client      @228
    supplier    @252
    vertices    (list Points
        (2448, 1269)
        (2287, 1582)
        (1803, 1703))
    line_style  0)
(object UsesView "uses" @271
    label      (object ItemLabel
        Parent_View  @271
        location     (2540, 1629)
        anchor_loc  1
        nlines      1
        max_width   84
        justify     0
        label       "uses")
    stereotype  TRUE
    line_color   3342489
    quidu       "369E367A02DA"
    client      @228
    supplier    @269
    line_style  0))))))
logical_presentations (list unit_reference_list)))

```



```

origin_x      0
origin_y      0
items          (list diagram_item_list)))
properties    (object Properties
  attributes  (list Attribute_Set
    (object Attribute
      tool        "DDL"
      name        "propertyId"
      value       "809135966")
    (object Attribute
      tool        "DDL"
      name        "default__Project"
      value       (list Attribute_Set
        (object Attribute
          tool        "DDL"
          name        "DataBase"
          value       ("DataBaseSet" 800)))
    (object Attribute
      tool        "DDL"
      name        "DataBaseSet"
      value       (list Attribute_Set
        (object Attribute
          tool        "DDL"
          name        "ANSI"
          value       800)
        (object Attribute
          tool        "DDL"
          name        "Oracle"
          value       801)
        (object Attribute
          tool        "DDL"
          name        "SQLServer"
          value       802)
        (object Attribute
          tool        "DDL"
          name        "Sybase"
          value       803)
        (object Attribute
          tool        "DDL"
          name        "Watcom"
          value       804)))
    (object Attribute
      tool        "DDL"
      name        "PrimaryKeyColumnName"
      value       "Id")
    (object Attribute
      tool        "DDL"
      name        "PrimaryKeyColumnType"
      value       "NUMBER(5) ")
    (object Attribute
      tool        "DDL"
      name        "ViewName"
      value       "V_")
    (object Attribute
      tool        "DDL"
      name        "TableName"
      value       "T_"))

```

```
(object Attribute
  tool      "DDL"
  name      "InheritSuffix"
  value     "_V")
(object Attribute
  tool      "DDL"
  name      "DropClause"
  value     FALSE)
(object Attribute
  tool      "DDL"
  name      "BaseViews"
  value     FALSE)
(object Attribute
  tool      "DDL"
  name      "DDLScriptFilename"
  value     "DDL1.SQL"))
(object Attribute
  tool      "DDL"
  name      "default_Attribute"
  value     (list Attribute_Set
    (object Attribute
      tool      "DDL"
      name      "ColumnType"
      value     "VARCHAR")
    (object Attribute
      tool      "DDL"
      name      "Length"
      value     ""))
    (object Attribute
      tool      "DDL"
      name      "NullsOK"
      value     TRUE)
    (object Attribute
      tool      "DDL"
      name      "PrimaryKey"
      value     FALSE)
    (object Attribute
      tool      "DDL"
      name      "Unique"
      value     FALSE)
    (object Attribute
      tool      "DDL"
      name      "CompositeUnique"
      value     FALSE)
    (object Attribute
      tool      "DDL"
      name      "CheckConstraint"
      value     ""))
  (object Attribute
    tool      "DDL"
    name      "HiddenTool"
    value     FALSE)
  (object Attribute
    tool      "framework"
    name      "HiddenTool"
    value     FALSE)
  (object Attribute
```

```

tool      "IDL"
name      "propertyId"
value     "809135966")
(object Attribute
  tool      "IDL"
  name      "default__Project"
  value     (list Attribute_Set
    (object Attribute
      tool      "IDL"
      name      "CreateMissingDirectories"
      value     TRUE)
    (object Attribute
      tool      "IDL"
      name      "StopOnError"
      value     TRUE)
    (object Attribute
      tool      "IDL"
      name      "Directory"
      value     "AUTO GENERATE")
    (object Attribute
      tool      "IDL"
      name      "GeneratePreserveRegions"
      value     TRUE)))
(object Attribute
  tool      "IDL"
  name      "default__Class"
  value     (list Attribute_Set
    (object Attribute
      tool      "IDL"
      name      "ImplementationType"
      value     ""))
    (object Attribute
      tool      "IDL"
      name      "ConstValue"
      value     ""))
    (object Attribute
      tool      "IDL"
      name      "GenerateDefaultSpecifier"
      value     FALSE)
    (object Attribute
      tool      "IDL"
      name      "DefaultSpecifier"
      value     ""))
    (object Attribute
      tool      "IDL"
      name      "IDLElement"
      value     TRUE)
    (object Attribute
      tool      "IDL"
      name      "IDLSpecificationType"
      value     ("IDLSpecSet" 22))
    (object Attribute
      tool      "IDL"
      name      "IDLSpecSet"
      value     (list Attribute_Set
        (object Attribute
          tool      "IDL"

```

```

        name      "Interface"
        value     22)
(object Attribute
        tool      "IDL"
        name      "Typedef"
        value     54)
(object Attribute
        tool      "IDL"
        name      "Enumeration"
        value     8)
(object Attribute
        tool      "IDL"
        name      "Const"
        value     71)
(object Attribute
        tool      "IDL"
        name      "Exception"
        value     61)
(object Attribute
        tool      "IDL"
        name      "Struct"
        value     51)
(object Attribute
        tool      "IDL"
        name      "Union"
        value     81)))))

(object Attribute
        tool      "IDL"
        name      "default__Module-Spec"
        value     (list Attribute_Set
(object Attribute
        tool      "IDL"
        name      "Generate"
        value     TRUE)
(object Attribute
        tool      "IDL"
        name      "CmIdentification"
        value     (value Text " %X% %Q% %Z% %W%"))
(object Attribute
        tool      "IDL"
        name      "CopyrightNotice"
        value     (value Text ""))
(object Attribute
        tool      "IDL"
        name      "FileName"
        value     "AUTO GENERATE")
(object Attribute
        tool      "IDL"
        name      "GenerateIDLModule"
        value     FALSE)
(object Attribute
        tool      "IDL"
        name      "InclusionProtectionSymbol"
        value     "AUTO GENERATE")
(object Attribute
        tool      "IDL"
        name      "AdditionalIncludes"

```

```

        value      (value Text ""))
(object Attribute
  tool      "IDL"
  name      "IncludeBySimpleName"
  value     FALSE)))
(object Attribute
  tool      "IDL"
  name      "default__Module-Body"
  value     (list Attribute_Set
    (object Attribute
      tool      "IDL"
      name      "CmIdentification"
      value     (value Text " %X% %Q% %Z% %W%"))
    (object Attribute
      tool      "IDL"
      name      "CopyrightNotice"
      value     (value Text ""))
    (object Attribute
      tool      "IDL"
      name      "FileName"
      value     "AUTO GENERATE")
    (object Attribute
      tool      "IDL"
      name      "AdditionalIncludes"
      value     (value Text ""))
    (object Attribute
      tool      "IDL"
      name      "IncludeBySimpleName"
      value     FALSE)))
(object Attribute
  tool      "IDL"
  name      "default__Operation"
  value     (list Attribute_Set
    (object Attribute
      tool      "IDL"
      name      "OperationIsOneWay"
      value     FALSE)
    (object Attribute
      tool      "IDL"
      name      "Context"
      value     "")
    (object Attribute
      tool      "IDL"
      name      "Raises"
      value     ""))
  (object Attribute
    tool      "IDL"
    name      "default__Attribute"
    value     (list Attribute_Set
      (object Attribute
        tool      "IDL"
        name      "CaseSpecifier"
        value     ""))
      (object Attribute
        tool      "IDL"
        name      "GenerateDataMember"
        value     TRUE)))

```

```
(object Attribute
  tool      "IDL"
  name      "DataMemberName"
  value     "$relationship")
(object Attribute
  tool      "IDL"
  name      "IsReadOnly"
  value     FALSE)
(object Attribute
  tool      "IDL"
  name      "IsConst"
  value     FALSE)
(object Attribute
  tool      "IDL"
  name      "ConstValue"
  value     ""))
(object Attribute
  tool      "IDL"
  name      "default_Has"
  value     (list Attribute_Set
    (object Attribute
      tool      "IDL"
      name      "NameIfUnlabeled"
      value     "the_$supplier"))
    (object Attribute
      tool      "IDL"
      name      "GenerateDataMember"
      value     TRUE)
    (object Attribute
      tool      "IDL"
      name      "DataMemberName"
      value     "$relationship"))
    (object Attribute
      tool      "IDL"
      name      "GenerateForwardReference"
      value     FALSE)
    (object Attribute
      tool      "IDL"
      name      "IsReadOnly"
      value     FALSE)
    (object Attribute
      tool      "IDL"
      name      "BoundedHasRelType"
      value     ("HasRelTypeSet" 47)))
    (object Attribute
      tool      "IDL"
      name      "HasRelTypeSet"
      value     (list Attribute_Set
        (object Attribute
          tool      "IDL"
          name      "Array"
          value     24)
        (object Attribute
          tool      "IDL"
          name      "Sequence"
          value     47))))))
(object Attribute
```

```

tool      "IDL"
name      "default__Role"
value      (list Attribute_Set
  (object Attribute
    tool      "IDL"
    name      "NameIfUnlabeled"
    value      "the_$supplier")
  (object Attribute
    tool      "IDL"
    name      "GenerateDataMember"
    value      TRUE)
  (object Attribute
    tool      "IDL"
    name      "DataMemberName"
    value      "$relationship")
  (object Attribute
    tool      "IDL"
    name      "GenerateForwardReference"
    value      FALSE)
  (object Attribute
    tool      "IDL"
    name      "IsReadOnly"
    value      FALSE)
  (object Attribute
    tool      "IDL"
    name      "BoundedRoleType"
    value      ("AssocTypeSet" 47))
  (object Attribute
    tool      "IDL"
    name      "AssocTypeSet"
    value      (list Attribute_Set
      (object Attribute
        tool      "IDL"
        name      "Array"
        value      24)
      (object Attribute
        tool      "IDL"
        name      "Sequence"
        value      47))))))
(object Attribute
  tool      "IDL"
  name      "default__Uses"
  value      (list Attribute_Set
    (object Attribute
      tool      "IDL"
      name      "GenerateForwardReference"
      value      FALSE)))
(object Attribute
  tool      "IDL"
  name      "default__Subsystem"
  value      (list Attribute_Set
    (object Attribute
      tool      "IDL"
      name      "Directory"
      value      "AUTO GENERATE")))
(object Attribute
  tool      "IDL"

```

```
        name      "HiddenTool"
        value     FALSE)
(object Attribute
        tool      "Java"
        name      "propertyId"
        value     "809135966")
(object Attribute
        tool      "Java"
        name      "default__Project"
        value     (list Attribute_Set
                    (object Attribute
                            tool      "Java"
                            name      "CreateMissingDirectories"
                            value     TRUE)
                    (object Attribute
                            tool      "Java"
                            name      "StopOnError"
                            value     FALSE)
                    (object Attribute
                            tool      "Java"
                            name      "Directory"
                            value     "AUTO GENERATE")
                    (object Attribute
                            tool      "Java"
                            name      "UsePrefixes"
                            value     FALSE)
                    (object Attribute
                            tool      "Java"
                            name      "InstanceVariablePrefix"
                            value     "m_")
                    (object Attribute
                            tool      "Java"
                            name      "ClassVariablePrefix"
                            value     "s_")
                    (object Attribute
                            tool      "Java"
                            name      "DefaultAttributeDataType"
                            value     "int"))
                    (object Attribute
                            tool      "Java"
                            name      "DefaultOperationReturnType"
                            value     "void")))
(object Attribute
        tool      "Java"
        name      "default__Class"
        value     (list Attribute_Set
                    (object Attribute
                            tool      "Java"
                            name      "Final"
                            value     FALSE)
                    (object Attribute
                            tool      "Java"
                            name      "GenerateDefaultConstructor"
                            value     TRUE)
                    (object Attribute
                            tool      "Java"
                            name      "ConstructorIs"
```

```
        value      ("Ctor_Set" 62))
(object Attribute
  tool      "Java"
  name      "Ctor_Set"
  value      (list Attribute_Set
    (object Attribute
      tool      "Java"
      name      "Public"
      value     62)
    (object Attribute
      tool      "Java"
      name      "Protected"
      value     63)
    (object Attribute
      tool      "Java"
      name      "Private"
      value     64)))
(object Attribute
  tool      "Java"
  name      "GenerateFinalizer"
  value     FALSE)
(object Attribute
  tool      "Java"
  name      "GenerateStaticInitializer"
  value     FALSE)
(object Attribute
  tool      "Java"
  name      "GenerateInstanceInitializer"
  value     FALSE)))
(object Attribute
  tool      "Java"
  name      "default_Module-Spec"
  value      (list Attribute_Set
    (object Attribute
      tool      "Java"
      name      "Generate"
      value     TRUE)
    (object Attribute
      tool      "Java"
      name      "CmIdentification"
      value     (value Text ""))
    (object Attribute
      tool      "Java"
      name      "CopyrightNotice"
      value     (value Text ""))
    (object Attribute
      tool      "Java"
      name      "AdditionalImports"
      value     (value Text ""))))
(object Attribute
  tool      "Java"
  name      "default_Module-Body"
  value      (list Attribute_Set
    (object Attribute
      tool      "Java"
      name      "Generate"
      value     TRUE)
```

```
(object Attribute
  tool      "Java"
  name      "CmIdentification"
  value     (value Text ""))
(object Attribute
  tool      "Java"
  name      "CopyrightNotice"
  value     (value Text ""))
(object Attribute
  tool      "Java"
  name      "AdditionalImports"
  value     (value Text "")))
(object Attribute
  tool      "Java"
  name      "default__Operation"
  value     (list Attribute_Set
    (object Attribute
      tool      "Java"
      name      "Abstract"
      value     FALSE)
    (object Attribute
      tool      "Java"
      name      "Static"
      value     FALSE)
    (object Attribute
      tool      "Java"
      name      "Final"
      value     FALSE)
    (object Attribute
      tool      "Java"
      name      "Native"
      value     FALSE)
    (object Attribute
      tool      "Java"
      name      "Synchronized"
      value     FALSE)))
(object Attribute
  tool      "Java"
  name      "default__Attribute"
  value     (list Attribute_Set
    (object Attribute
      tool      "Java"
      name      "GenerateDataMember"
      value     TRUE)
    (object Attribute
      tool      "Java"
      name      "Final"
      value     FALSE)
    (object Attribute
      tool      "Java"
      name      "Transient"
      value     FALSE)
    (object Attribute
      tool      "Java"
      name      "Volatile"
      value     FALSE)))
(object Attribute
```

```

tool      "Java"
name      "default__Role"
value      (list Attribute_Set
  (object Attribute
    tool      "Java"
    name      "GenerateDataMember"
    value     TRUE)
  (object Attribute
    tool      "Java"
    name      "ContainerClass"
    value     "")
  (object Attribute
    tool      "Java"
    name      "InitialValue"
    value     "")
  (object Attribute
    tool      "Java"
    name      "Final"
    value     FALSE)
  (object Attribute
    tool      "Java"
    name      "Transient"
    value     FALSE)
  (object Attribute
    tool      "Java"
    name      "Volatile"
    value     FALSE)))
(object Attribute
  tool      "Java"
  name      "HiddenTool"
  value     FALSE)
(object Attribute
  tool      "Oracle8"
  name      "propertyId"
  value     "360000002")
(object Attribute
  tool      "Oracle8"
  name      "default__Project"
  value      (list Attribute_Set
    (object Attribute
      tool      "Oracle8"
      name      "DDLScriptFilename"
      value     "DDL1.SQL")
    (object Attribute
      tool      "Oracle8"
      name      "DropClause"
      value     FALSE)
    (object Attribute
      tool      "Oracle8"
      name      "PrimaryKeyColumnName"
      value     "_ID")
    (object Attribute
      tool      "Oracle8"
      name      "PrimaryKeyColumnType"
      value     "NUMBER(5,0)"))
    (object Attribute
      tool      "Oracle8"

```

```
        name      "SchemaNamePrefix"
        value     "")
(object Attribute
        tool      "Oracle8"
        name      "SchemaNameSuffix"
        value     "")
(object Attribute
        tool      "Oracle8"
        name      "TableNamePrefix"
        value     "")
(object Attribute
        tool      "Oracle8"
        name      "TableNameSuffix"
        value     "")
(object Attribute
        tool      "Oracle8"
        name      "TypeNamePrefix"
        value     "")
(object Attribute
        tool      "Oracle8"
        name      "TypeNameSuffix"
        value     "")
(object Attribute
        tool      "Oracle8"
        name      "ViewNamePrefix"
        value     "")
(object Attribute
        tool      "Oracle8"
        name      "ViewNameSuffix"
        value     "")
(object Attribute
        tool      "Oracle8"
        name      "VarrayNamePrefix"
        value     "")
(object Attribute
        tool      "Oracle8"
        name      "VarrayNameSuffix"
        value     "")
(object Attribute
        tool      "Oracle8"
        name      "NestedTableNamePrefix"
        value     "")
(object Attribute
        tool      "Oracle8"
        name      "NestedTableNameSuffix"
        value     "")
(object Attribute
        tool      "Oracle8"
        name      "ObjectTypeNamePrefix"
        value     "")
(object Attribute
        tool      "Oracle8"
        name      "ObjectTypeNameSuffix"
        value     ""))
(object Attribute
        tool      "Oracle8"
        name      "default__Module-Spec"
```

```

value      (list Attribute_Set
  (object Attribute
    tool      "Oracle8"
    name      "IsSchema"
    value     FALSE)))
(object Attribute
  tool      "Oracle8"
  name      "default__Class"
  value     (list Attribute_Set
    (object Attribute
      tool      "Oracle8"
      name      "OID"
      value     ""))
    (object Attribute
      tool      "Oracle8"
      name      "WhereClause"
      value     ""))
    (object Attribute
      tool      "Oracle8"
      name      "CheckConstraint"
      value     ""))
    (object Attribute
      tool      "Oracle8"
      name      "CollectionTypeLength"
      value     ""))
    (object Attribute
      tool      "Oracle8"
      name      "CollectionTypePrecision"
      value     ""))
    (object Attribute
      tool      "Oracle8"
      name      "CollectionTypeScale"
      value     ""))
    (object Attribute
      tool      "Oracle8"
      name      "CollectionOfREFS"
      value     FALSE)))
(object Attribute
  tool      "Oracle8"
  name      "default__Operation"
  value     (list Attribute_Set
    (object Attribute
      tool      "Oracle8"
      name      "MethodKind"
      value     ("MethodKindSet" 1903)))
    (object Attribute
      tool      "Oracle8"
      name      "OverloadID"
      value     ""))
    (object Attribute
      tool      "Oracle8"
      name      "OrderNumber"
      value     ""))
    (object Attribute
      tool      "Oracle8"
      name      "IsReadNoDataState"
      value     FALSE)))

```

```
(object Attribute
  tool      "Oracle8"
  name      "IsReadNoProcessState"
  value     FALSE)
(object Attribute
  tool      "Oracle8"
  name      "IsWriteNoDataState"
  value     FALSE)
(object Attribute
  tool      "Oracle8"
  name      "IsWriteNoProcessState"
  value     FALSE)
(object Attribute
  tool      "Oracle8"
  name      "IsSelfish"
  value     FALSE)
(object Attribute
  tool      "Oracle8"
  name      "TriggerType"
  value     ("TriggerTypeSet" 1801))
(object Attribute
  tool      "Oracle8"
  name      "TriggerEvent"
  value     ("TriggerEventSet" 1601))
(object Attribute
  tool      "Oracle8"
  name      "TriggerText"
  value     "")
(object Attribute
  tool      "Oracle8"
  name      "TriggerReferencingNames"
  value     "")
(object Attribute
  tool      "Oracle8"
  name      "TriggerForEach"
  value     ("TriggerForEachSet" 1701))
(object Attribute
  tool      "Oracle8"
  name      "TriggerWhenClause"
  value     "")
(object Attribute
  tool      "Oracle8"
  name      "MethodKindSet"
  value     (list Attribute_Set
    (object Attribute
      tool      "Oracle8"
      name      "MapMethod"
      value     1901)
    (object Attribute
      tool      "Oracle8"
      name      "OrderMethod"
      value     1902)
    (object Attribute
      tool      "Oracle8"
      name      "Function"
      value     1903)
    (object Attribute
```

```

        tool      "Oracle8"
        name      "Procedure"
        value     1904)
(object Attribute
        tool      "Oracle8"
        name      "Operator"
        value     1905)
(object Attribute
        tool      "Oracle8"
        name      "Constructor"
        value     1906)
(object Attribute
        tool      "Oracle8"
        name      "Destructor"
        value     1907)
(object Attribute
        tool      "Oracle8"
        name      "Trigger"
        value     1908)
(object Attribute
        tool      "Oracle8"
        name      "Calculated"
        value     1909)))
(object Attribute
        tool      "Oracle8"
        name      "TriggerTypeSet"
        value     (list Attribute_Set
            (object Attribute
                tool      "Oracle8"
                name      "AFTER"
                value     1801)
            (object Attribute
                tool      "Oracle8"
                name      "BEFORE"
                value     1802)
            (object Attribute
                tool      "Oracle8"
                name      "INSTEAD OF"
                value     1803)))
(object Attribute
        tool      "Oracle8"
        name      "TriggerForEachSet"
        value     (list Attribute_Set
            (object Attribute
                tool      "Oracle8"
                name      "ROW"
                value     1701)
            (object Attribute
                tool      "Oracle8"
                name      "STATEMENT"
                value     1702)))
(object Attribute
        tool      "Oracle8"
        name      "TriggerEventSet"
        value     (list Attribute_Set
            (object Attribute
                tool      "Oracle8"

```

```

        name      "INSERT"
        value     1601)
(object Attribute
        tool      "Oracle8"
        name      "UPDATE"
        value     1602)
(object Attribute
        tool      "Oracle8"
        name      "DELETE"
        value     1603)
(object Attribute
        tool      "Oracle8"
        name      "INSERT OR UPDATE"
        value     1604)
(object Attribute
        tool      "Oracle8"
        name      "INSERT OR DELETE"
        value     1605)
(object Attribute
        tool      "Oracle8"
        name      "UPDATE OR DELETE"
        value     1606)
(object Attribute
        tool      "Oracle8"
        name      "INSERT OR UPDATE OR DELETE"
        value     1607)))))

(object Attribute
        tool      "Oracle8"
        name      "default_Role"
        value     (list Attribute_Set
(object Attribute
        tool      "Oracle8"
        name      "OrderNumber"
        value     ""))
(object Attribute
        tool      "Oracle8"
        name      "default_Attribute"
        value     (list Attribute_Set
(object Attribute
        tool      "Oracle8"
        name      "OrderNumber"
        value     ""))
(object Attribute
        tool      "Oracle8"
        name      "IsUnique"
        value     FALSE)
(object Attribute
        tool      "Oracle8"
        name      "NullsAllowed"
        value     TRUE)
(object Attribute
        tool      "Oracle8"
        name      "Length"
        value     "")
(object Attribute
        tool      "Oracle8"
        name      "Precision"

```

```
        value      "2")
(object Attribute
        tool      "Oracle8"
        name      "Scale"
        value     "6")
(object Attribute
        tool      "Oracle8"
        name      "IsIndex"
        value     FALSE)
(object Attribute
        tool      "Oracle8"
        name      "IsPrimaryKey"
        value     FALSE)
(object Attribute
        tool      "Oracle8"
        name      "CompositeUnique"
        value     FALSE)
(object Attribute
        tool      "Oracle8"
        name      "CheckConstraint"
        value     ""))
(object Attribute
        tool      "Oracle8"
        name      "HiddenTool"
        value     FALSE)
(object Attribute
        tool      "Repository"
        name      "HiddenTool"
        value     FALSE)
(object Attribute
        tool      "cg"
        name      "propertyId"
        value     "809135966")
(object Attribute
        tool      "cg"
        name      "default_Project"
        value     (list Attribute_Set
                  (object Attribute
                          tool      "cg"
                          name      "UseMSVC"
                          value     FALSE)
                  (object Attribute
                          tool      "cg"
                          name      "HeaderFileExtension"
                          value     "h")
                  (object Attribute
                          tool      "cg"
                          name      "HeaderFileBackupExtension"
                          value     "h~")
                  (object Attribute
                          tool      "cg"
                          name      "HeaderFileTemporaryExtension"
                          value     "h#")
                  (object Attribute
                          tool      "cg"
                          name      "CodeFileExtension"
                          value     "cpp"))))
```

```
(object Attribute
  tool      "cg"
  name      "CodeFileBackupExtension"
  value     "cp-")
(object Attribute
  tool      "cg"
  name      "CodeFileTemporaryExtension"
  value     "cp#")
(object Attribute
  tool      "cg"
  name      "CreateMissingDirectories"
  value     TRUE)
(object Attribute
  tool      "cg"
  name      "StopOnError"
  value     FALSE)
(object Attribute
  tool      "cg"
  name      "ErrorLimit"
  value     30)
(object Attribute
  tool      "cg"
  name      "Directory"
  value     "$ROSECPP_SOURCE")
(object Attribute
  tool      "cg"
  name      "PathSeparator"
  value     "")
(object Attribute
  tool      "cg"
  name      "FileNameFormat"
  value     "128vx_b")
(object Attribute
  tool      "cg"
  name      "BooleanType"
  value     "int")
(object Attribute
  tool      "cg"
  name      "AllowTemplates"
  value     TRUE)
(object Attribute
  tool      "cg"
  name      "AllowProtectedInheritance"
  value     TRUE)
(object Attribute
  tool      "cg"
  name      "CommentWidth"
  value     60)
(object Attribute
  tool      "cg"
  name      "OneByValueContainer"
  value     "$targetClass")
(object Attribute
  tool      "cg"
  name      "OneByReferenceContainer"
  value     "$targetClass *")
(object Attribute
```

```
        tool      "cg"
        name      "OptionalByValueContainer"
        value     "OptionalByValue<$targetClass>")
(object Attribute
        tool      "cg"
        name      "OptionalByReferenceContainer"
        value     "$targetClass *")
(object Attribute
        tool      "cg"
        name      "FixedByValueContainer"
        value     "$targetClass[$limit]")
(object Attribute
        tool      "cg"
        name      "UnorderedFixedByValueContainer"
        value     "$targetClass[$limit]")
(object Attribute
        tool      "cg"
        name      "FixedByReferenceContainer"
        value     "$targetClass *[$limit]")
(object Attribute
        tool      "cg"
        name      "UnorderedFixedByReferenceContainer"
        value     "$targetClass *[$limit]")
(object Attribute
        tool      "cg"
        name      "BoundedByValueContainer"
        value     "BoundedListByValue<$targetClass,$limit>")
(object Attribute
        tool      "cg"
        name      "UnorderedBoundedByValueContainer"
        value     "BoundedSetByValue<$targetClass,$limit>")
(object Attribute
        tool      "cg"
        name      "BoundedByReferenceContainer"
        value     "BoundedListByReference<$targetClass,$limit>")
(object Attribute
        tool      "cg"
        name      "UnorderedBoundedByReferenceContainer"
        value     "BoundedSetByReference<$targetClass,$limit>")
(object Attribute
        tool      "cg"
        name      "UnboundedByValueContainer"
        value     "UnboundedListByValue<$targetClass>")
(object Attribute
        tool      "cg"
        name      "UnorderedUnboundedByValueContainer"
        value     "UnboundedSetByValue<$targetClass>")
(object Attribute
        tool      "cg"
        name      "UnboundedByReferenceContainer"
        value     "UnboundedListByReference<$targetClass>")
(object Attribute
        tool      "cg"
        name      "UnorderedUnboundedByReferenceContainer"
        value     "UnboundedSetByReference<$targetClass>")
(object Attribute
        tool      "cg"
```



```
                value      3)))
(object Attribute
  tool      "cg"
  name      "PutBodiesInSpec"
  value     FALSE)
(object Attribute
  tool      "cg"
  name      "GenerateDefaultConstructor"
  value     ("GenerateSet" 199))
(object Attribute
  tool      "cg"
  name      "DefaultConstructorVisibility"
  value     ("VisibilitySet" 45))
(object Attribute
  tool      "cg"
  name      "InlineDefaultConstructor"
  value     FALSE)
(object Attribute
  tool      "cg"
  name      "ExplicitDefaultConstructor"
  value     FALSE)
(object Attribute
  tool      "cg"
  name      "GenerateCopyConstructor"
  value     ("GenerateSet" 199))
(object Attribute
  tool      "cg"
  name      "CopyConstructorVisibility"
  value     ("VisibilitySet" 45))
(object Attribute
  tool      "cg"
  name      "InlineCopyConstructor"
  value     FALSE)
(object Attribute
  tool      "cg"
  name      "ExplicitCopyConstructor"
  value     FALSE)
(object Attribute
  tool      "cg"
  name      "GenerateDestructor"
  value     TRUE)
(object Attribute
  tool      "cg"
  name      "DestructorVisibility"
  value     ("VisibilitySet" 45))
(object Attribute
  tool      "cg"
  name      "DestructorKind"
  value     ("ThreeKindSet" 200))
(object Attribute
  tool      "cg"
  name      "InlineDestructor"
  value     FALSE)
(object Attribute
  tool      "cg"
  name      "GenerateAssignmentOperation"
  value     ("GenerateSet" 199))
```

```
(object Attribute
  tool      "cg"
  name      "AssignmentVisibility"
  value     ("VisibilitySet" 45))
(object Attribute
  tool      "cg"
  name      "AssignmentKind"
  value     ("ThreeKindSet" 200))
(object Attribute
  tool      "cg"
  name      "InlineAssignmentOperation"
  value     FALSE)
(object Attribute
  tool      "cg"
  name      "GenerateEqualityOperations"
  value     ("GenerateSet" 199))
(object Attribute
  tool      "cg"
  name      "EqualityVisibility"
  value     ("VisibilitySet" 45))
(object Attribute
  tool      "cg"
  name      "EqualityKind"
  value     ("FriendKindSet" 200))
(object Attribute
  tool      "cg"
  name      "InlineEqualityOperations"
  value     FALSE)
(object Attribute
  tool      "cg"
  name      "GenerateRelationalOperations"
  value     FALSE)
(object Attribute
  tool      "cg"
  name      "RelationalVisibility"
  value     ("VisibilitySet" 45))
(object Attribute
  tool      "cg"
  name      "RelationalKind"
  value     ("FriendKindSet" 200))
(object Attribute
  tool      "cg"
  name      "InlineRelationalOperations"
  value     FALSE)
(object Attribute
  tool      "cg"
  name      "GenerateStorageMgmtOperations"
  value     FALSE)
(object Attribute
  tool      "cg"
  name      "StorageMgmtVisibility"
  value     ("VisibilitySet" 45))
(object Attribute
  tool      "cg"
  name      "InlineStorageMgmtOperations"
  value     FALSE)
(object Attribute
```

```
        tool      "cg"
        name      "GenerateSubscriptOperation"
        value     FALSE)
(object Attribute
        tool      "cg"
        name      "SubscriptVisibility"
        value     ("VisibilitySet" 45))
(object Attribute
        tool      "cg"
        name      "SubscriptKind"
        value     ("ThreeKindSet" 200))
(object Attribute
        tool      "cg"
        name      "SubscriptResultType"
        value     "")
(object Attribute
        tool      "cg"
        name      "InlineSubscriptOperation"
        value     FALSE)
(object Attribute
        tool      "cg"
        name      "GenerateDereferenceOperation"
        value     FALSE)
(object Attribute
        tool      "cg"
        name      "DereferenceVisibility"
        value     ("VisibilitySet" 45))
(object Attribute
        tool      "cg"
        name      "DereferenceKind"
        value     ("ThreeKindSet" 200))
(object Attribute
        tool      "cg"
        name      "DereferenceResultType"
        value     "")
(object Attribute
        tool      "cg"
        name      "InlineDereferenceOperation"
        value     FALSE)
(object Attribute
        tool      "cg"
        name      "GenerateIndirectionOperation"
        value     FALSE)
(object Attribute
        tool      "cg"
        name      "IndirectionVisibility"
        value     ("VisibilitySet" 45))
(object Attribute
        tool      "cg"
        name      "IndirectionKind"
        value     ("ThreeKindSet" 200))
(object Attribute
        tool      "cg"
        name      "IndirectionResultType"
        value     "")
(object Attribute
        tool      "cg"
```

```
        name      "InlineIndirectionOperation"
        value     FALSE)
(object Attribute
        tool      "cg"
        name      "GenerateStreamOperations"
        value     FALSE)
(object Attribute
        tool      "cg"
        name      "StreamVisibility"
        value     ("VisibilitySet" 45))
(object Attribute
        tool      "cg"
        name      "InlineStreamOperations"
        value     FALSE)
(object Attribute
        tool      "cg"
        name      "ThreeKindSet"
        value     (list Attribute_Set
                  (object Attribute
                          tool      "cg"
                          name      "Common"
                          value     200)
                  (object Attribute
                          tool      "cg"
                          name      "Virtual"
                          value     201)
                  (object Attribute
                          tool      "cg"
                          name      "Abstract"
                          value     202)))
(object Attribute
        tool      "cg"
        name      "KindSet"
        value     (list Attribute_Set
                  (object Attribute
                          tool      "cg"
                          name      "Common"
                          value     200)
                  (object Attribute
                          tool      "cg"
                          name      "Virtual"
                          value     201)
                  (object Attribute
                          tool      "cg"
                          name      "Abstract"
                          value     202)
                  (object Attribute
                          tool      "cg"
                          name      "Static"
                          value     203)))
(object Attribute
        tool      "cg"
        name      "FriendKindSet"
        value     (list Attribute_Set
                  (object Attribute
                          tool      "cg"
                          name      "Common"
```

```

        value      200)
(object Attribute
    tool      "cg"
    name      "Virtual"
    value     201)
(object Attribute
    tool      "cg"
    name      "Abstract"
    value     202)
(object Attribute
    tool      "cg"
    name      "Friend"
    value     204)))
(object Attribute
    tool      "cg"
    name      "GenerateSet"
    value     (list Attribute_Set
        (object Attribute
            tool      "cg"
            name      "DeclareAndDefine"
            value     199)
        (object Attribute
            tool      "cg"
            name      "DeclareOnly"
            value     205)
        (object Attribute
            tool      "cg"
            name      "DoNotDeclare"
            value     206)))
(object Attribute
    tool      "cg"
    name      "VisibilitySet"
    value     (list Attribute_Set
        (object Attribute
            tool      "cg"
            name      "Public"
            value     45)
        (object Attribute
            tool      "cg"
            name      "Protected"
            value     44)
        (object Attribute
            tool      "cg"
            name      "Private"
            value     43)
        (object Attribute
            tool      "cg"
            name      "Implementation"
            value     14)))
(object Attribute
    tool      "cg"
    name      "ConstValue"
    value     ""))
(object Attribute
    tool      "cg"
    name      "GenerateDefaultSpecifier"
    value     FALSE)

```

```
(object Attribute
  tool      "cg"
  name      "DefaultSpecifier"
  value     ""))
(object Attribute
  tool      "cg"
  name      "default__Module-Spec"
  value     (list Attribute_Set
    (object Attribute
      tool      "cg"
      name      "Generate"
      value     TRUE)
    (object Attribute
      tool      "cg"
      name      "GenerateEmptyRegions"
      value     ("GenerateEmptyRegionSet" 3)))
  (object Attribute
    tool      "cg"
    name      "GenerateEmptyRegionSet"
    value     (list Attribute_Set
      (object Attribute
        tool      "cg"
        name      "None"
        value     0)
      (object Attribute
        tool      "cg"
        name      "Preserved"
        value     1)
      (object Attribute
        tool      "cg"
        name      "Unpreserved"
        value     2)
      (object Attribute
        tool      "cg"
        name      "All"
        value     3)))
  (object Attribute
    tool      "cg"
    name      "CmIdentification"
    value     (value Text " %X% %Q% %Z% %W%"))
  (object Attribute
    tool      "cg"
    name      "CopyrightNotice"
    value     (value Text ""))
  (object Attribute
    tool      "cg"
    name      "FileName"
    value     "AUTO GENERATE")
  (object Attribute
    tool      "cg"
    name      "AllowExtensionlessFileName"
    value     FALSE)
  (object Attribute
    tool      "cg"
    name      "InclusionProtectionSymbol"
    value     "AUTO GENERATE")
  (object Attribute
```

```

        tool      "cg"
        name      "IncludeFormat"
        value     (value Text
// $package
#include "$file"
|
        ))
(object Attribute
        tool      "cg"
        name      "IncludeBySimpleName"
        value     FALSE)
(object Attribute
        tool      "cg"
        name      "IncludePrecompiledHeader"
        value     FALSE)
(object Attribute
        tool      "cg"
        name      "IncludeOrder"
        value     "AMIR")
(object Attribute
        tool      "cg"
        name      "AdditionalIncludes"
        value     (value Text ""))
(object Attribute
        tool      "cg"
        name      "InliningStyle"
        value     ("InliningStyleSet" 207))
(object Attribute
        tool      "cg"
        name      "InliningStyleSet"
        value     (list Attribute_Set
            (object Attribute
                tool      "cg"
                name      "InClassDeclaration"
                value     208)
            (object Attribute
                tool      "cg"
                name      "FollowingClassDeclaration"
                value     207)))
(object Attribute
        tool      "cg"
        name      "TypesDefined"
        value     (value Text ""))
(object Attribute
        tool      "cg"
        name      "IncludeClosure"
        value     (value Text "")))
(object Attribute
        tool      "cg"
        name      "default_Module-Body"
        value     (list Attribute_Set
            (object Attribute
                tool      "cg"
                name      "Generate"
                value     TRUE)
            (object Attribute
                tool      "cg"

```

```

        name      "GenerateEmptyRegions"
        value     ("GenerateEmptyRegionSet" 3))
(object Attribute
        tool      "cg"
        name      "GenerateEmptyRegionSet"
        value     (list Attribute_Set
            (object Attribute
                tool      "cg"
                name      "None"
                value     0)
            (object Attribute
                tool      "cg"
                name      "Preserved"
                value     1)
            (object Attribute
                tool      "cg"
                name      "Unpreserved"
                value     2)
            (object Attribute
                tool      "cg"
                name      "All"
                value     3)))
(object Attribute
        tool      "cg"
        name      "CmIdentification"
        value     (value Text " %X% %Q% %Z% %W%"))
(object Attribute
        tool      "cg"
        name      "CopyrightNotice"
        value     (value Text ""))
(object Attribute
        tool      "cg"
        name      "FileName"
        value     "AUTO GENERATE")
(object Attribute
        tool      "cg"
        name      "AllowExtensionlessFileName"
        value     FALSE)
(object Attribute
        tool      "cg"
        name      "IncludeFormat"
        value     (value Text
// $package
#include "$file"
)
(object Attribute
        tool      "cg"
        name      "IncludeBySimpleName"
        value     FALSE)
(object Attribute
        tool      "cg"
        name      "IncludePrecompiledHeader"
        value     TRUE)
(object Attribute
        tool      "cg"
        name      "IncludeOrder"

```

```
        value          "AMIR")
(object Attribute
    tool          "cg"
    name          "AdditionalIncludes"
    value          (value Text ""))
(object Attribute
    tool          "cg"
    name          "InliningStyle"
    value          ("InliningStyleSet" 207))
(object Attribute
    tool          "cg"
    name          "InliningStyleSet"
    value          (list Attribute_Set
        (object Attribute
            tool          "cg"
            name          "InClassDeclaration"
            value          208)
        (object Attribute
            tool          "cg"
            name          "FollowingClassDeclaration"
            value          207)))
(object Attribute
    tool          "cg"
    name          "TypesDefined"
    value          (value Text ""))
(object Attribute
    tool          "cg"
    name          "IncludeClosure"
    value          (value Text "")))
(object Attribute
    tool          "cg"
    name          "default_Operation"
    value          (list Attribute_Set
        (object Attribute
            tool          "cg"
            name          "CodeName"
            value          ""))
        (object Attribute
            tool          "cg"
            name          "OperationKind"
            value          ("OperationKindSet" 200)))
        (object Attribute
            tool          "cg"
            name          "OperationKindSet"
            value          (list Attribute_Set
                (object Attribute
                    tool          "cg"
                    name          "Common"
                    value          200)
                (object Attribute
                    tool          "cg"
                    name          "Virtual"
                    value          201)
                (object Attribute
                    tool          "cg"
                    name          "Abstract"
                    value          202)
            )))
    ))
```

```
(object Attribute
  tool      "cg"
  name      "Static"
  value     203)
(object Attribute
  tool      "cg"
  name      "Friend"
  value     204)))
(object Attribute
  tool      "cg"
  name      "OperationIsConst"
  value     FALSE)
(object Attribute
  tool      "cg"
  name      "OperationIsExplicit"
  value     FALSE)
(object Attribute
  tool      "cg"
  name      "Inline"
  value     FALSE)
(object Attribute
  tool      "cg"
  name      "EntryCode"
  value     (value Text ""))
(object Attribute
  tool      "cg"
  name      "ExitCode"
  value     (value Text ""))
(object Attribute
  tool      "cg"
  name      "GenerateEmptyRegions"
  value     ("GenerateEmptyRegionSet" 3))
(object Attribute
  tool      "cg"
  name      "GenerateEmptyRegionSet"
  value     (list Attribute_Set
    (object Attribute
      tool      "cg"
      name      "None"
      value     0)
    (object Attribute
      tool      "cg"
      name      "Preserved"
      value     1)
    (object Attribute
      tool      "cg"
      name      "Unpreserved"
      value     2)
    (object Attribute
      tool      "cg"
      name      "All"
      value     3)))
(object Attribute
  tool      "cg"
  name      "BodyAnnotations"
  value     ""))
(object Attribute
```



```

        name      "Implementation"
        value     14)
(object Attribute
        tool      "cg"
        name      "AtRelationshipVisibility"
        value     210)))
(object Attribute
        tool      "cg"
        name      "DataMemberMutability"
        value     ("DataMemberMutabilitySet" 0))
(object Attribute
        tool      "cg"
        name      "DataMemberMutabilitySet"
        value     (list Attribute_Set
            (object Attribute
                tool      "cg"
                name      "Unrestricted"
                value     0)
            (object Attribute
                tool      "cg"
                name      "Mutable"
                value     1)
            (object Attribute
                tool      "cg"
                name      "Const"
                value     2)))
(object Attribute
        tool      "cg"
        name      "DataMemberIsVolatile"
        value     FALSE)
(object Attribute
        tool      "cg"
        name      "DataMemberFieldSize"
        value     ""))
(object Attribute
        tool      "cg"
        name      "InitialValue"
        value     (value Text ""))
(object Attribute
        tool      "cg"
        name      "GenerateGetOperation"
        value     TRUE)
(object Attribute
        tool      "cg"
        name      "GenerateSetOperation"
        value     TRUE)
(object Attribute
        tool      "cg"
        name      "GetName"
        value     "get_$relationship")
(object Attribute
        tool      "cg"
        name      "SetName"
        value     "set_$relationship")
(object Attribute
        tool      "cg"
        name      "GetSetKinds"

```

```
        value      ("GetSetKindsSet" 200))
(object Attribute
  tool      "cg"
  name      "GetSetKindsSet"
  value     (list Attribute_Set
    (object Attribute
      tool      "cg"
      name      "Common"
      value     200)
    (object Attribute
      tool      "cg"
      name      "Virtual"
      value     201)
    (object Attribute
      tool      "cg"
      name      "Abstract"
      value     202)
    (object Attribute
      tool      "cg"
      name      "Static"
      value     203)
    (object Attribute
      tool      "cg"
      name      "Friend"
      value     204)))
(object Attribute
  tool      "cg"
  name      "ContainerClass"
  value     "")
(object Attribute
  tool      "cg"
  name      "SelectorName"
  value     "")
(object Attribute
  tool      "cg"
  name      "SelectorType"
  value     "")
(object Attribute
  tool      "cg"
  name      "GetIsConst"
  value     TRUE)
(object Attribute
  tool      "cg"
  name      "GetResultIsConst"
  value     ("GetResultIsConstSet" 2))
(object Attribute
  tool      "cg"
  name      "GetResultIsConstSet"
  value     (list Attribute_Set
    (object Attribute
      tool      "cg"
      name      "False"
      value     0)
    (object Attribute
      tool      "cg"
      name      "True"
      value     1)
```

```

        (object Attribute
            tool      "cg"
            name      "Same_As_Function"
            value     2)))
(object Attribute
    tool      "cg"
    name      "GetSetByReference"
    value     FALSE)
(object Attribute
    tool      "cg"
    name      "InlineGet"
    value     TRUE)
(object Attribute
    tool      "cg"
    name      "SetReturnsValue"
    value     FALSE)
(object Attribute
    tool      "cg"
    name      "InlineSet"
    value     TRUE)
(object Attribute
    tool      "cg"
    name      "ForwardReferenceOnly"
    value     FALSE)
(object Attribute
    tool      "cg"
    name      "GenerateForwardReference"
    value     FALSE)
(object Attribute
    tool      "cg"
    name      "IsReadOnly"
    value     FALSE)
(object Attribute
    tool      "cg"
    name      "BoundedHasRelType"
    value     ("HasRelTypeSet" 47))
(object Attribute
    tool      "cg"
    name      "HasRelTypeSet"
    value     (list Attribute_Set
        (object Attribute
            tool      "cg"
            name      "Array"
            value     24)
        (object Attribute
            tool      "cg"
            name      "Sequence"
            value     47))))))
(object Attribute
    tool      "cg"
    name      "default_Association"
    value     (list Attribute_Set
        (object Attribute
            tool      "cg"
            name      "NameIfUnlabeled"
            value     "the_$targetClass")))
(object Attribute

```

```
tool      "cg"
name      "default_Inherit"
value     (list Attribute_Set
  (object Attribute
    tool      "cg"
    name      "InstanceArguments"
    value     ""))
(object Attribute
  tool      "cg"
  name      "default_Role"
  value     (list Attribute_Set
    (object Attribute
      tool      "cg"
      name      "CodeName"
      value     ""))
    (object Attribute
      tool      "cg"
      name      "ForwardReferenceOnly"
      value     FALSE)
    (object Attribute
      tool      "cg"
      name      "NameIfUnlabeled"
      value     "the_$targetClass")
    (object Attribute
      tool      "cg"
      name      "GenerateDataMember"
      value     TRUE)
    (object Attribute
      tool      "cg"
      name      "DataMemberName"
      value     "$target")
    (object Attribute
      tool      "cg"
      name      "DataMemberVisibility"
      value     ("DataMemberVisibilitySet" 14))
    (object Attribute
      tool      "cg"
      name      "DataMemberVisibilitySet"
      value     (list Attribute_Set
        (object Attribute
          tool      "cg"
          name      "Public"
          value     45)
        (object Attribute
          tool      "cg"
          name      "Protected"
          value     44)
        (object Attribute
          tool      "cg"
          name      "Private"
          value     43)
        (object Attribute
          tool      "cg"
          name      "Implementation"
          value     14)
      (object Attribute
        tool      "cg"

```

```

                name      "AtRelationshipVisibility"
                value     210)))
(object Attribute
    tool      "cg"
    name      "DataMemberMutability"
    value     ("DataMemberMutabilitySet" 0))
(object Attribute
    tool      "cg"
    name      "DataMemberMutabilitySet"
    value     (list Attribute_Set
        (object Attribute
            tool      "cg"
            name      "Unrestricted"
            value     0)
        (object Attribute
            tool      "cg"
            name      "Mutable"
            value     1)
        (object Attribute
            tool      "cg"
            name      "Const"
            value     2)))
(object Attribute
    tool      "cg"
    name      "DataMemberIsVolatile"
    value     FALSE)
(object Attribute
    tool      "cg"
    name      "DataMemberFieldSize"
    value     "")
(object Attribute
    tool      "cg"
    name      "InitialValue"
    value     (value Text ""))
(object Attribute
    tool      "cg"
    name      "ContainerClass"
    value     "")
(object Attribute
    tool      "cg"
    name      "ContainerGet"
    value     "$data.get($keys) ")
(object Attribute
    tool      "cg"
    name      "ContainerSet"
    value     "$data.set($keys,$value) ")
(object Attribute
    tool      "cg"
    name      "QualifiedContainer"
    value     "")
(object Attribute
    tool      "cg"
    name      "AssocClassContainer"
    value     "$supplier *")
(object Attribute
    tool      "cg"
    name      "AssocClassInitialValue"

```

```
        value      (value Text ""))
(object Attribute
  tool      "cg"
  name      "GetSetKinds"
  value     ("GetSetKindsSet" 200))
(object Attribute
  tool      "cg"
  name      "GetSetKindsSet"
  value     (list Attribute_Set
    (object Attribute
      tool      "cg"
      name      "Common"
      value     200)
    (object Attribute
      tool      "cg"
      name      "Virtual"
      value     201)
    (object Attribute
      tool      "cg"
      name      "Abstract"
      value     202)
    (object Attribute
      tool      "cg"
      name      "Static"
      value     203)
    (object Attribute
      tool      "cg"
      name      "Friend"
      value     204)))
(object Attribute
  tool      "cg"
  name      "GetSetByReference"
  value     FALSE)
(object Attribute
  tool      "cg"
  name      "GenerateGetOperation"
  value     TRUE)
(object Attribute
  tool      "cg"
  name      "GetName"
  value     "get_$target")
(object Attribute
  tool      "cg"
  name      "GetIsConst"
  value     TRUE)
(object Attribute
  tool      "cg"
  name      "GetResultIsConst"
  value     ("GetResultIsConstSet" 2))
(object Attribute
  tool      "cg"
  name      "GetResultIsConstSet"
  value     (list Attribute_Set
    (object Attribute
      tool      "cg"
      name      "False"
      value     0)
```

```
(object Attribute
  tool      "cg"
  name      "True"
  value     1)
(object Attribute
  tool      "cg"
  name      "Same_As_Function"
  value     2)))
(object Attribute
  tool      "cg"
  name      "InlineGet"
  value     TRUE)
(object Attribute
  tool      "cg"
  name      "GenerateSetOperation"
  value     TRUE)
(object Attribute
  tool      "cg"
  name      "SetName"
  value     "set_$target")
(object Attribute
  tool      "cg"
  name      "SetReturnsValue"
  value     FALSE)
(object Attribute
  tool      "cg"
  name      "InlineSet"
  value     TRUE)
(object Attribute
  tool      "cg"
  name      "QualifiedGetSetByReference"
  value     ("QualifiedGetSetByReferenceSet" 2))
(object Attribute
  tool      "cg"
  name      "QualifiedGetSetByReferenceSet"
  value     (list Attribute_Set
    (object Attribute
      tool      "cg"
      name      "False"
      value     0)
    (object Attribute
      tool      "cg"
      name      "True"
      value     1)
    (object Attribute
      tool      "cg"
      name      "Same_As_GetSetByReference"
      value     2)))
(object Attribute
  tool      "cg"
  name      "GenerateQualifiedGetOperation"
  value     TRUE)
(object Attribute
  tool      "cg"
  name      "QualifiedGetName"
  value     "get_$target")
(object Attribute
```

```
        tool      "cg"
        name      "QualifiedGetIsConst"
        value     TRUE)
(object Attribute
        tool      "cg"
        name      "QualifiedGetResultIsConst"
        value     ("GetResultIsConstSet" 2))
(object Attribute
        tool      "cg"
        name      "InlineQualifiedGet"
        value     TRUE)
(object Attribute
        tool      "cg"
        name      "GenerateQualifiedSetOperation"
        value     TRUE)
(object Attribute
        tool      "cg"
        name      "QualifiedSetName"
        value     "set_$target")
(object Attribute
        tool      "cg"
        name      "QualifiedSetReturnsValue"
        value     FALSE)
(object Attribute
        tool      "cg"
        name      "InlineQualifiedSet"
        value     TRUE)
(object Attribute
        tool      "cg"
        name      "GenerateAssocClassDataMember"
        value     TRUE)
(object Attribute
        tool      "cg"
        name      "AssocClassDataMemberName"
        value     "$target")
(object Attribute
        tool      "cg"
        name      "AssocClassDataMemberVisibility"
        value     ("DataMemberVisibilitySet" 14))
(object Attribute
        tool      "cg"
        name      "DataMemberVisibilitySet"
        value     (list Attribute_Set
                  (object Attribute
                          tool      "cg"
                          name      "Public"
                          value     45)
                  (object Attribute
                          tool      "cg"
                          name      "Protected"
                          value     44)
                  (object Attribute
                          tool      "cg"
                          name      "Private"
                          value     43)
                  (object Attribute
                          tool      "cg"
```

```

        name      "Implementation"
        value     14)
(object Attribute
        tool      "cg"
        name      "AtRelationshipVisibility"
        value     210)))
(object Attribute
        tool      "cg"
        name      "AssocClassDataMemberMutability"
        value     ("DataMemberMutabilitySet" 0))
(object Attribute
        tool      "cg"
        name      "DataMemberMutabilitySet"
        value     (list Attribute_Set
            (object Attribute
                tool      "cg"
                name      "Unrestricted"
                value     0)
            (object Attribute
                tool      "cg"
                name      "Mutable"
                value     1)
            (object Attribute
                tool      "cg"
                name      "Const"
                value     2)))
(object Attribute
        tool      "cg"
        name      "AssocClassDataMemberIsVolatile"
        value     FALSE)
(object Attribute
        tool      "cg"
        name      "AssocClassGetSetKinds"
        value     ("GetSetKindsSet" 200))
(object Attribute
        tool      "cg"
        name      "GenerateAssocClassGetOperation"
        value     TRUE)
(object Attribute
        tool      "cg"
        name      "AssocClassGetName"
        value     "get_$target")
(object Attribute
        tool      "cg"
        name      "AssocClassGetIsConst"
        value     TRUE)
(object Attribute
        tool      "cg"
        name      "AssocClassGetResultIsConst"
        value     ("GetResultIsConstSet" 2))
(object Attribute
        tool      "cg"
        name      "InlineAssocClassGet"
        value     TRUE)
(object Attribute
        tool      "cg"
        name      "GenerateAssocClassSetOperation"

```

```
        value      TRUE)
(object Attribute
        tool      "cg"
        name      "AssocClassSetName"
        value     "set_$target")
(object Attribute
        tool      "cg"
        name      "AssocClassSetReturnsValue"
        value     FALSE)
(object Attribute
        tool      "cg"
        name      "InlineAssocClassSet"
        value     TRUE)
(object Attribute
        tool      "cg"
        name      "AssocClassForwardReferenceOnly"
        value     TRUE)
(object Attribute
        tool      "cg"
        name      "GenerateForwardReference"
        value     FALSE)
(object Attribute
        tool      "cg"
        name      "IsReadOnly"
        value     FALSE)
(object Attribute
        tool      "cg"
        name      "BoundedRoleType"
        value     ("AssocTypeSet" 47))
(object Attribute
        tool      "cg"
        name      "AssocTypeSet"
        value     (list Attribute_Set
                  (object Attribute
                          tool      "cg"
                          name      "Array"
                          value     24)
                  (object Attribute
                          tool      "cg"
                          name      "Sequence"
                          value     47)))))

(object Attribute
        tool      "cg"
        name      "default_Attribute"
        value     (list Attribute_Set
                  (object Attribute
                          tool      "cg"
                          name      "CodeName"
                          value     ""))
                  (object Attribute
                          tool      "cg"
                          name      "GenerateDataMember"
                          value     TRUE)
                  (object Attribute
                          tool      "cg"
                          name      "DataMemberName"
                          value     "$attribute")))
```

```
(object Attribute
  tool      "cg"
  name      "DataMemberVisibility"
  value     ("DataMemberVisibilitySet" 14))
(object Attribute
  tool      "cg"
  name      "DataMemberVisibilitySet"
  value     (list Attribute_Set
    (object Attribute
      tool      "cg"
      name      "Public"
      value     45)
    (object Attribute
      tool      "cg"
      name      "Protected"
      value     44)
    (object Attribute
      tool      "cg"
      name      "Private"
      value     43)
    (object Attribute
      tool      "cg"
      name      "Implementation"
      value     14)
    (object Attribute
      tool      "cg"
      name      "AtAttributeVisibility"
      value     211)))
(object Attribute
  tool      "cg"
  name      "DataMemberMutability"
  value     ("DataMemberMutabilitySet" 0))
(object Attribute
  tool      "cg"
  name      "DataMemberMutabilitySet"
  value     (list Attribute_Set
    (object Attribute
      tool      "cg"
      name      "Unrestricted"
      value     0)
    (object Attribute
      tool      "cg"
      name      "Mutable"
      value     1)
    (object Attribute
      tool      "cg"
      name      "Const"
      value     2)))
(object Attribute
  tool      "cg"
  name      "DataMemberIsVolatile"
  value     FALSE)
(object Attribute
  tool      "cg"
  name      "DataMemberFieldSize"
  value     ""))
(object Attribute
```

```

        tool      "cg"
        name      "GenerateGetOperation"
        value     TRUE)
(object Attribute
        tool      "cg"
        name      "GenerateSetOperation"
        value     TRUE)
(object Attribute
        tool      "cg"
        name      "GetName"
        value     "get_<attribute>")
(object Attribute
        tool      "cg"
        name      "SetName"
        value     "set_<attribute>")
(object Attribute
        tool      "cg"
        name      "GetSetKinds"
        value     ("GetSetKindsSet" 200))
(object Attribute
        tool      "cg"
        name      "GetSetKindsSet"
        value     (list Attribute_Set
            (object Attribute
                tool      "cg"
                name      "Common"
                value     200)
            (object Attribute
                tool      "cg"
                name      "Virtual"
                value     201)
            (object Attribute
                tool      "cg"
                name      "Abstract"
                value     202)
            (object Attribute
                tool      "cg"
                name      "Static"
                value     203)
            (object Attribute
                tool      "cg"
                name      "Friend"
                value     204)))
(object Attribute
        tool      "cg"
        name      "GetIsConst"
        value     TRUE)
(object Attribute
        tool      "cg"
        name      "GetResultIsConst"
        value     ("GetResultIsConstSet" 2))
(object Attribute
        tool      "cg"
        name      "GetResultIsConstSet"
        value     (list Attribute_Set
            (object Attribute
                tool      "cg"

```

```

                name      "False"
                value      0)
        (object Attribute
                tool      "cg"
                name      "True"
                value      1)
        (object Attribute
                tool      "cg"
                name      "Same_As_Function"
                value      2)))
        (object Attribute
                tool      "cg"
                name      "GetSetByReference"
                value      FALSE)
        (object Attribute
                tool      "cg"
                name      "InlineGet"
                value      TRUE)
        (object Attribute
                tool      "cg"
                name      "SetReturnsValue"
                value      FALSE)
        (object Attribute
                tool      "cg"
                name      "InlineSet"
                value      TRUE)
        (object Attribute
                tool      "cg"
                name      "CaseSpecifier"
                value      "")
        (object Attribute
                tool      "cg"
                name      "IsReadOnly"
                value      FALSE)))
    (object Attribute
        tool      "cg"
        name      "default__Uses"
        value      (list Attribute_Set
            (object Attribute
                tool      "cg"
                name      "ForwardReferenceOnly"
                value      FALSE)
            (object Attribute
                tool      "cg"
                name      "BodyReferenceOnly"
                value      FALSE)
            (object Attribute
                tool      "cg"
                name      "GenerateForwardReference"
                value      FALSE)))
    (object Attribute
        tool      "cg"
        name      "default__Subsystem"
        value      (list Attribute_Set
            (object Attribute
                tool      "cg"
                name      "Directory"

```

```
        value      "AUTO GENERATE")
(object Attribute
    tool      "cg"
    name      "DirectoryIsOnSearchList"
    value     FALSE)
(object Attribute
    tool      "cg"
    name      "PrecompiledHeader"
    value     ""))
(object Attribute
    tool      "cg"
    name      "default__Category"
    value     (list Attribute_Set
        (object Attribute
            tool      "cg"
            name      "IsNamespace"
            value     FALSE)
        (object Attribute
            tool      "cg"
            name      "Indent"
            value     2)
        (object Attribute
            tool      "cg"
            name      "CodeName"
            value     ""))
        (object Attribute
            tool      "cg"
            name      "GenerateEmptyRegions"
            value     ("GenerateEmptyRegionSet" 3)))
    (object Attribute
        tool      "cg"
        name      "GenerateEmptyRegionSet"
        value     (list Attribute_Set
            (object Attribute
                tool      "cg"
                name      "None"
                value     0)
            (object Attribute
                tool      "cg"
                name      "Preserved"
                value     1)
            (object Attribute
                tool      "cg"
                name      "Unpreserved"
                value     2)
            (object Attribute
                tool      "cg"
                name      "All"
                value     3)))))

(object Attribute
    tool      "MSVC"
    name      "propertyId"
    value     "809135966")
(object Attribute
    tool      "MSVC"
    name      "default__Project"
    value     (list Attribute_Set
```

```
(object Attribute
  tool      "MSVC"
  name      "Version"
  value     "5.0"))
(object Attribute
  tool      "MSVC"
  name      "default_Class"
  value     (list Attribute_Set
    (object Attribute
      tool      "MSVC"
      name      "Type"
      value     ("MSVCClassTypeSet" 0)))
  (object Attribute
    tool      "MSVC"
    name      "MSVCClassTypeSet"
    value     (list Attribute_Set
      (object Attribute
        tool      "MSVC"
        name      "Normal"
        value     0)
      (object Attribute
        tool      "MSVC"
        name      "Interface_Part"
        value     1)
      (object Attribute
        tool      "MSVC"
        name      "Connection_Part"
        value     2)
      (object Attribute
        tool      "MSVC"
        name      "Class_Factory"
        value     3)))
  (object Attribute
    tool      "MSVC"
    name      "CObjectFunctionality"
    value     ("CObjectFunctionalitySet" 0)))
  (object Attribute
    tool      "MSVC"
    name      "CObjectFunctionalitySet"
    value     (list Attribute_Set
      (object Attribute
        tool      "MSVC"
        name      "None"
        value     0)
      (object Attribute
        tool      "MSVC"
        name      "Dynamic"
        value     1)
      (object Attribute
        tool      "MSVC"
        name      "Dyncreate"
        value     2)
      (object Attribute
        tool      "MSVC"
        name      "Serial"
        value     3)))
  (object Attribute
```

```
        tool      "MSVC"
        name      "GenerateOverrideGroup"
        value     FALSE)
(object Attribute
        tool      "MSVC"
        name      "GenerateDataGroup"
        value     FALSE)
(object Attribute
        tool      "MSVC"
        name      "AFX_DATA_Entries"
        value     (value Text ""))
(object Attribute
        tool      "MSVC"
        name      "GenerateFieldGroup"
        value     FALSE)
(object Attribute
        tool      "MSVC"
        name      "AFX_FIELD_Entries"
        value     (value Text ""))
(object Attribute
        tool      "MSVC"
        name      "GenerateMessageGroup"
        value     FALSE)
(object Attribute
        tool      "MSVC"
        name      "GenerateMessageMap"
        value     FALSE)
(object Attribute
        tool      "MSVC"
        name      "AFX_MSG_MAP_Entries"
        value     (value Text ""))
(object Attribute
        tool      "MSVC"
        name      "MESSAGE_MAP_Entries"
        value     (value Text ""))
(object Attribute
        tool      "MSVC"
        name      "OLEFactory"
        value     ("OLEFactorySet" 0))
(object Attribute
        tool      "MSVC"
        name      "OLEFactorySet"
        value     (list Attribute_Set
                  (object Attribute
                          tool      "MSVC"
                          name      "None"
                          value     0)
                  (object Attribute
                          tool      "MSVC"
                          name      "Built_in"
                          value     1)
                  (object Attribute
                          tool      "MSVC"
                          name      "Simple"
                          value     2)
                  (object Attribute
                          tool      "MSVC"
```

```
        name      "Licensed"
        value      3)))
(object Attribute
        tool      "MSVC"
        name      "OLEName"
        value      "")
(object Attribute
        tool      "MSVC"
        name      "OLEClassID"
        value      "")
(object Attribute
        tool      "MSVC"
        name      "GenerateOLECtlType"
        value      FALSE)
(object Attribute
        tool      "MSVC"
        name      "OLECtlType"
        value      "")
(object Attribute
        tool      "MSVC"
        name      "GenerateOLETypeLib"
        value      FALSE)
(object Attribute
        tool      "MSVC"
        name      "OLETypeLibID"
        value      "")
(object Attribute
        tool      "MSVC"
        name      "OLETypeLibMajor"
        value      "")
(object Attribute
        tool      "MSVC"
        name      "OLETypeLibMinor"
        value      "")
(object Attribute
        tool      "MSVC"
        name      "GeneratePropPageIDs"
        value      FALSE)
(object Attribute
        tool      "MSVC"
        name      "OLEPropPageIDs"
        value      (value Text ""))
(object Attribute
        tool      "MSVC"
        name      "GenerateDispatchMap"
        value      FALSE)
(object Attribute
        tool      "MSVC"
        name      "AFX_DISPATCH_Entries"
        value      (value Text ""))
(object Attribute
        tool      "MSVC"
        name      "AFX_DISPATCH_MAP_Entries"
        value      (value Text ""))
(object Attribute
        tool      "MSVC"
        name      "DISPATCH_MAP_Entries"
```

```
        value      (value Text ""))
(object Attribute
    tool      "MSVC"
    name      "StockProperties"
    value      (value Text ""))
(object Attribute
    tool      "MSVC"
    name      "StockFunctions"
    value      (value Text ""))
(object Attribute
    tool      "MSVC"
    name      "DispatchDefValue"
    value      "")
(object Attribute
    tool      "MSVC"
    name      "GenerateDispIdEnum"
    value      FALSE)
(object Attribute
    tool      "MSVC"
    name      "AFX_DISP_ID_Entries"
    value      (value Text ""))
(object Attribute
    tool      "MSVC"
    name      "GenerateInterfaceMap"
    value      FALSE)
(object Attribute
    tool      "MSVC"
    name      "INTERFACE_MAP_Entries"
    value      (value Text ""))
(object Attribute
    tool      "MSVC"
    name      "InitInterface"
    value      "")
(object Attribute
    tool      "MSVC"
    name      "GenerateEventMap"
    value      FALSE)
(object Attribute
    tool      "MSVC"
    name      "AFX_EVENT_Entries"
    value      (value Text ""))
(object Attribute
    tool      "MSVC"
    name      "AFX_EVENT_MAP_Entries"
    value      (value Text ""))
(object Attribute
    tool      "MSVC"
    name      "EVENT_MAP_Entries"
    value      (value Text ""))
(object Attribute
    tool      "MSVC"
    name      "StockEvents"
    value      (value Text ""))
(object Attribute
    tool      "MSVC"
    name      "GenerateEventSinkMap"
    value      FALSE)
```

```
(object Attribute
  tool      "MSVC"
  name      "AFX_EVENTSINK_Entries"
  value     (value Text ""))
(object Attribute
  tool      "MSVC"
  name      "AFX_EVENTSINK_MAP_Entries"
  value     (value Text ""))
(object Attribute
  tool      "MSVC"
  name      "EVENTSINK_MAP_Entries"
  value     (value Text ""))
(object Attribute
  tool      "MSVC"
  name      "PropNotifySinks"
  value     (value Text ""))
(object Attribute
  tool      "MSVC"
  name      "GenerateConnectionMap"
  value     FALSE)
(object Attribute
  tool      "MSVC"
  name      "CONNECTION_MAP_Entries"
  value     (value Text ""))
(object Attribute
  tool      "MSVC"
  name      "ConnectionPointIID"
  value     "")
(object Attribute
  tool      "MSVC"
  name      "InheritanceType"
  value     "")
(object Attribute
  tool      "MSVC"
  name      "DeclSpec"
  value     "")
(object Attribute
  tool      "MSVC"
  name      "OLECommands"
  value     (value Text ""))
(object Attribute
  tool      "MSVC"
  name      "MFCDeclarations"
  value     (value Text ""))
(object Attribute
  tool      "MSVC"
  name      "MFCImplements"
  value     (value Text ""))
(object Attribute
  tool      "MSVC"
  name      "ATL_Declarations"
  value     (value Text ""))
(object Attribute
  tool      "MSVC"
  name      "GenerateCOMMap"
  value     FALSE)
(object Attribute
```

```

        tool      "MSVC"
        name      "COM_MAP_Entries"
        value      (value Text ""))
(object Attribute
        tool      "MSVC"
        name      "GenerateConnectionPointMap"
        value      FALSE)
(object Attribute
        tool      "MSVC"
        name      "CONNECTION_POINT_MAP_Entries"
        value      (value Text ""))
(object Attribute
        tool      "MSVC"
        name      "GenerateMsgMap"
        value      FALSE)
(object Attribute
        tool      "MSVC"
        name      "MSG_MAP_Entries"
        value      (value Text ""))
(object Attribute
        tool      "MSVC"
        name      "GeneratePropertyMap"
        value      FALSE)
(object Attribute
        tool      "MSVC"
        name      "PROPERTY_MAP_Entries"
        value      (value Text "")))
(object Attribute
        tool      "MSVC"
        name      "default_Operation"
        value      (list Attribute_Set
(object Attribute
        tool      "MSVC"
        name      "Type"
        value      ("MSVCOperationTypeSet" 0))
(object Attribute
        tool      "MSVC"
        name      "MSVCOperationTypeSet"
        value      (list Attribute_Set
(object Attribute
        tool      "MSVC"
        name      "Normal"
        value      0)
(object Attribute
        tool      "MSVC"
        name      "Virtual_Override"
        value      1)
(object Attribute
        tool      "MSVC"
        name      "Message_Handler"
        value      2)
(object Attribute
        tool      "MSVC"
        name      "Dispatch_Handler"
        value      3)
(object Attribute
        tool      "MSVC"

```

```
        name      "Event_Firing_Function"
        value      4)
(object Attribute
        tool      "MSVC"
        name      "Event_Sink_Handler"
        value      5)
(object Attribute
        tool      "MSVC"
        name      "Std_OLE_Method"
        value      6)
(object Attribute
        tool      "MSVC"
        name      "Command_Parser"
        value      7)
(object Attribute
        tool      "MSVC"
        name      "Property_Get_Function"
        value      8)
(object Attribute
        tool      "MSVC"
        name      "Property_Set_Function"
        value      9)
(object Attribute
        tool      "MSVC"
        name      "Property_Notify_Function"
        value      10)
(object Attribute
        tool      "MSVC"
        name      "Macro_Generated_Function"
        value      11)))
(object Attribute
        tool      "MSVC"
        name      "AFX_MSG_MAP_Entries"
        value      (value Text ""))
(object Attribute
        tool      "MSVC"
        name      "MESSAGE_MAP_Entries"
        value      (value Text ""))
(object Attribute
        tool      "MSVC"
        name      "AFX_DISPATCH_MAP_Entries"
        value      (value Text ""))
(object Attribute
        tool      "MSVC"
        name      "DISPATCH_MAP_Entries"
        value      (value Text ""))
(object Attribute
        tool      "MSVC"
        name      "AFX_EVENT_MAP_Entries"
        value      (value Text ""))
(object Attribute
        tool      "MSVC"
        name      "EVENT_MAP_Entries"
        value      (value Text ""))
(object Attribute
        tool      "MSVC"
        name      "AFX_EVENTSINK_MAP_Entries"
```

```

        value      (value Text ""))
(object Attribute
    tool      "MSVC"
    name      "EVENTSINK_MAP_Entries"
    value      (value Text ""))
(object Attribute
    tool      "MSVC"
    name      "CallType"
    value      "")
(object Attribute
    tool      "MSVC"
    name      "DeclSpec"
    value      "")
(object Attribute
    tool      "MSVC"
    name      "BodyImage"
    value      (value Text "")))
(object Attribute
    tool      "MSVC"
    name      "default__Role"
    value      (list Attribute_Set
        (object Attribute
            tool      "MSVC"
            name      "Type"
            value      ("MSVCAtributeTypeSet" 0))
        (object Attribute
            tool      "MSVC"
            name      "MSVCAtributeTypeSet"
            value      (list Attribute_Set
                (object Attribute
                    tool      "MSVC"
                    name      "Normal"
                    value      0)
                (object Attribute
                    tool      "MSVC"
                    name      "Member_Property"
                    value      1)
                (object Attribute
                    tool      "MSVC"
                    name      "Get_Set_Property"
                    value      2)
                (object Attribute
                    tool      "MSVC"
                    name      "Dialog_Data"
                    value      3)
                (object Attribute
                    tool      "MSVC"
                    name      "Field_Data"
                    value      4)
                (object Attribute
                    tool      "MSVC"
                    name      "Stock_Property"
                    value      5)))
        (object Attribute
            tool      "MSVC"
            name      "AFX_DISPATCH_MAP_Entries"
            value      (value Text "")))

```

```
(object Attribute
  tool      "MSVC"
  name      "DISPATCH_MAP_Entries"
  value     (value Text ""))
(object Attribute
  tool      "MSVC"
  name      "DeclSpec"
  value     "")
(object Attribute
  tool      "MSVC"
  name      "PointerBase"
  value     "")
(object Attribute
  tool      "MSVC"
  name      "CallType"
  value     "")
(object Attribute
  tool      "MSVC"
  name      "StockPropertyImplementation"
  value     ""))
(object Attribute
  tool      "MSVC"
  name      "default__Has"
  value     (list Attribute_Set
    (object Attribute
      tool      "MSVC"
      name      "Type"
      value     ("MSVCAttributeTypeSet" 0)))
  (object Attribute
    tool      "MSVC"
    name      "MSVCAttributeTypeSet"
    value     (list Attribute_Set
      (object Attribute
        tool      "MSVC"
        name      "Normal"
        value     0)
      (object Attribute
        tool      "MSVC"
        name      "Member_Property"
        value     1)
      (object Attribute
        tool      "MSVC"
        name      "Get_Set_Property"
        value     2)
      (object Attribute
        tool      "MSVC"
        name      "Dialog_Data"
        value     3)
      (object Attribute
        tool      "MSVC"
        name      "Field_Data"
        value     4)
      (object Attribute
        tool      "MSVC"
        name      "Stock_Property"
        value     5)))
  (object Attribute
```



```
        name      "Stock_Property"
        value      5)))
(object Attribute
        tool      "MSVC"
        name      "AFX_DISPATCH_MAP_Entries"
        value      (value Text ""))
(object Attribute
        tool      "MSVC"
        name      "DISPATCH_MAP_Entries"
        value      (value Text ""))
(object Attribute
        tool      "MSVC"
        name      "DeclSpec"
        value      "")
(object Attribute
        tool      "MSVC"
        name      "PointerBase"
        value      "")
(object Attribute
        tool      "MSVC"
        name      "CallType"
        value      "")
(object Attribute
        tool      "MSVC"
        name      "StockPropertyImplementation"
        value      ""))
(object Attribute
        tool      "MSVC"
        name      "default_Module-Spec"
        value      (list Attribute_Set
            (object Attribute
                tool      "MSVC"
                name      "GenerateIncludesGroup"
                value      FALSE)
            (object Attribute
                tool      "MSVC"
                name      "AFX_INCLUDES_Entries"
                value      (value Text ""))
            (object Attribute
                tool      "MSVC"
                name      "GenerateInsertLocation"
                value      FALSE)))
(object Attribute
        tool      "MSVC"
        name      "default_Module-Body"
        value      (list Attribute_Set
            (object Attribute
                tool      "MSVC"
                name      "GenerateIncludesGroup"
                value      FALSE)
            (object Attribute
                tool      "MSVC"
                name      "AFX_INCLUDES_Entries"
                value      (value Text ""))
            (object Attribute
                tool      "MSVC"
                name      "GenerateInsertLocation"
                value      "")))
```

```
        value      FALSE)))
(object Attribute
  tool      "cg"
  name      "HiddenTool"
  value     FALSE)
(object Attribute
  tool      "SCC"
  name      "HiddenTool"
  value     FALSE)
(object Attribute
  tool      "TypeLibImporter"
  name      "HiddenTool"
  value     FALSE)
(object Attribute
  tool      "Visual Basic"
  name      "propertyId"
  value     "783606378")
(object Attribute
  tool      "Visual Basic"
  name      "default_Class"
  value     (list Attribute_Set
    (object Attribute
      tool      "Visual Basic"
      name      "CreatableSet"
      value     (list Attribute_Set
        (object Attribute
          tool      "Visual Basic"
          name      "Private"
          value     221)
        (object Attribute
          tool      "Visual Basic"
          name      "PublicNotCreatable"
          value     213)
        (object Attribute
          tool      "Visual Basic"
          name      "SingleUse"
          value     214)
        (object Attribute
          tool      "Visual Basic"
          name      "GlobalSingleUse"
          value     215)
        (object Attribute
          tool      "Visual Basic"
          name      "MultiUse"
          value     219)
        (object Attribute
          tool      "Visual Basic"
          name      "GlobalMultiUse"
          value     220)))
    (object Attribute
      tool      "Visual Basic"
      name      "OptionBase"
      value     "0")
    (object Attribute
      tool      "Visual Basic"
      name      "OptionExplicit"
      value     TRUE)
```

```
(object Attribute
  tool      "Visual Basic"
  name      "OptionCompare"
  value     ("CompareSet" 202))
(object Attribute
  tool      "Visual Basic"
  name      "Creatable"
  value     ("CreatableSet" 221))
(object Attribute
  tool      "Visual Basic"
  name      "GenerateInitialization"
  value     FALSE)
(object Attribute
  tool      "Visual Basic"
  name      "GenerateTermination"
  value     FALSE)
(object Attribute
  tool      "Visual Basic"
  name      "CollectionClass"
  value     "Collection")
(object Attribute
  tool      "Visual Basic"
  name      "CompareSet"
  value     (list Attribute_Set
    (object Attribute
      tool      "Visual Basic"
      name      "None"
      value     202)
    (object Attribute
      tool      "Visual Basic"
      name      "Binary"
      value     203)
    (object Attribute
      tool      "Visual Basic"
      name      "Text"
      value     204)))))

(object Attribute
  tool      "Visual Basic"
  name      "default_Operation"
  value     (list Attribute_Set
    (object Attribute
      tool      "Visual Basic"
      name      "OperationName"
      value     "$operation")
    (object Attribute
      tool      "Visual Basic"
      name      "LibraryName"
      value     ""))
    (object Attribute
      tool      "Visual Basic"
      name      "AliasName"
      value     ""))
    (object Attribute
      tool      "Visual Basic"
      name      "IsStatic"
      value     FALSE)
  (object Attribute
```

```
tool          "Visual Basic"
name          "EntryCode"
value         (value Text ""))
(object Attribute
  tool          "Visual Basic"
  name          "ExitCode"
  value         (value Text "")))
(object Attribute
  tool          "Visual Basic"
  name          "default_Attribute"
  value         (list Attribute_Set
    (object Attribute
      tool          "Visual Basic"
      name          "IsConst"
      value         FALSE)
    (object Attribute
      tool          "Visual Basic"
      name          "New"
      value         FALSE)
    (object Attribute
      tool          "Visual Basic"
      name          "WithEvents"
      value         FALSE)
    (object Attribute
      tool          "Visual Basic"
      name          "Subscript"
      value         ""))
    (object Attribute
      tool          "Visual Basic"
      name          "NameIfUnlabeled"
      value         "the$supplier")
    (object Attribute
      tool          "Visual Basic"
      name          "GenerateDataMember"
      value         TRUE)
    (object Attribute
      tool          "Visual Basic"
      name          "DataMemberName"
      value         "$relationship")
    (object Attribute
      tool          "Visual Basic"
      name          "GenerateGetOperation"
      value         FALSE)
    (object Attribute
      tool          "Visual Basic"
      name          "GenerateSetOperation"
      value         FALSE)
    (object Attribute
      tool          "Visual Basic"
      name          "GenerateLetOperation"
      value         FALSE)))
  (object Attribute
    tool          "Visual Basic"
    name          "default_Role"
    value         (list Attribute_Set
      (object Attribute
        tool          "Visual Basic"
        name          "default_Role"
        value         (value Text ""))))
```

```

        name      "New"
        value     FALSE)
(object Attribute
        tool      "Visual Basic"
        name      "WithEvents"
        value     FALSE)
(object Attribute
        tool      "Visual Basic"
        name      "Subscript"
        value     "")
(object Attribute
        tool      "Visual Basic"
        name      "NameIfUnlabeled"
        value     "the$supplier")
(object Attribute
        tool      "Visual Basic"
        name      "GenerateDataMember"
        value     TRUE)
(object Attribute
        tool      "Visual Basic"
        name      "DataMemberName"
        value     "$relationship")
(object Attribute
        tool      "Visual Basic"
        name      "GenerateGetOperation"
        value     FALSE)
(object Attribute
        tool      "Visual Basic"
        name      "GenerateSetOperation"
        value     FALSE)
(object Attribute
        tool      "Visual Basic"
        name      "GenerateLetOperation"
        value     FALSE)))
(object Attribute
        tool      "Visual Basic"
        name      "default_Inherit"
        value     (list Attribute_Set
            (object Attribute
                tool      "Visual Basic"
                name      "ImplementsDelegation"
                value     TRUE)))
(object Attribute
        tool      "Visual Basic"
        name      "default_Module-Spec"
        value     (list Attribute_Set
            (object Attribute
                tool      "Visual Basic"
                name      "ProjectFile"
                value     "")))
(object Attribute
        tool      "Visual Basic"
        name      "HiddenTool"
        value     FALSE)
(object Attribute
        tool      "VisualStudio"
        name      "HiddenTool"

```

```
    value      FALSE) )  
quid      "369CABC800AA"))
```